

Mobile Calibration

More info inside.

A close-up photograph of three pressure gauges. The foreground features a blue-rimmed gauge with a white face and black markings, showing a reading of approximately 20 psi. Behind it, a gold-rimmed gauge is visible, showing a reading of approximately 20 in.Hg. A third gauge is partially visible in the background. All gauges have the text "TOOL TESTING LAB INC. www.tlcal.com" printed on their faces.

**TOOL
TESTING
LAB**

THE TRUE MEASURE OF ACCURACY

Tool Calibration 
PRICEGUIDE

Quality | Precision | Speed

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What's inside?



This catalog includes most of our calibration capabilities and pricing of tools "in house." For on-site calibration, please contact onsite@ttlcal.com or call us @ 937-898-5696. Our capabilities are continuing to grow, therefore, contact us if your tool is not listed.



Introducing **Mobile Calibration** & **Mobile Calibration Jr**

Tool Testing Lab Inc. would like to introduce you to Mobile Calibration. Our new 30' trailer, filled with certified equipment, can provide you with long form ISO 17025 certification for almost all of your calibration needs.

Currently, we provide service within a 200 mile radius of our facility. We are always expanding, so please don't hesitate to ask if we can service your area.

Just another calibration option brought to you by Tool Testing Lab.

Ask us about our
**FREE Cincinnati,
Columbus, and
Dayton tool pick-up
and delivery service.**

**PICK-UP +
DELIVERY**

ON-SITE CALIBRATION

For on-site pricing and capabilities call us @ 937-898-5696 or email onsite@ttlcal.com

"We currently service a **200 mile** radius from our facility."



937-898-5696

11601 N. Dixie Dr, Tipp City, OH 45371

www.ttlcal.com



ELECTRONIC

Ask us about our used tools!

Here at the lab, we also carry a variety of used tools. As a thank you for purchasing your tool through us, we will include the certification with each tool that you buy new or used.

A

AC DIVIDER	44.00
AC POWER SUPPLY	110.00
ALTERNATOR ANALYZER	44.00
ALTIMETER	99.50
ALTITUDE ENCODER TESTER	70.60
AMP CLAMP	44.00
AMP CLAMP WITH MULTIMETER	70.60
AMPERAGE TESTER	44.00
AMPMETER	44.00
AMPROBE CLAMPMETER	44.00
ANALOG MULTIMETER	70.60
ANGLE POSITION INDICATOR	110.00
ANTI-SKID TESTER	70.60
APU TURBINE TESTER	165.00
ATC DME/TRANSPONDER TESTER	280.00
ATTENUATOR	44.00
AUDIO GENERATOR	105.00
AUDIO OSCILLATOR	105.00
AUTOPILOT RAMP TEST SET	280.00
AVIONICS BUSS ANALYZER	105.00

B

BARFIELD ADAPTOR MODULE	70.60
BARFIELD FUEL QUANTITY TESTER	145.00
BARFIELD MEGGER	100.00
BARFIELD, SIGHT COMPASS	105.00
BATTERY ANALYZER	145.00
BATTERY CHARGER: SMALL	44.25
BATTERY CHARGER: MEDIUM	108.50
BATTERY CHARGER: LARGE	232.50
BATTERY CHARGER: NICAD	232.50
BATTERY DISCHARGE TESTER & ANALYZER	232.50

Popular
Certifications

BATTERY DISCHARGER	70.60
BATTERY LOAD TESTER	70.60
BENCH MULTIMETER OVER 5.5 DIGITS TO 6.5 DIGITS	110.00
BONDING METER	70.60
BOOT STRAP KIT	701.00
BORESCOPE	150.00
BRAKE MICROMETER	30.50
BREAKOUT BOX	44.00
BUSS ANALYZER	105.00

C

CABIN PRESSURE TESTER	116.00
CABLE FAULT DETECTOR	44.00
CABLE FAULT TESTER	70.60
CAPACITANCE METER	70.60
CHADWICK PROP BALANCER	225.00
CHRISTIE BATTERY CHARGER	232.50
CLAMPMETER	44.00
CLOCK	32.00
COMPASS	105.00
CONCORDE BATTERY CHARGER	70.60
CONDUCTIVITY/EDDY CURRENT TESTER	205.00
CONDUCTIVITY METER	70.60
CONDUCTIVITY STANDARD, EACH	75.00
COUNTER	70.60
COUNTER/TIMER HIGH ACCURACY	180.00
CURRENT CALIBRATION COIL	225.00
CURRENT GUN	44.00
CURRENT LEAKAGE TESTER	70.60
CURRENT PROBE	44.00
CURRENT SHUNT	70.60

D

DATA BUCKET	180.00
DATA LOGGER	160.00
DC POWER SUPPLY	70.60
DECADE CAPACITOR BOX <= 1% TOL	70.60
DECADE CAPACITOR BOX > 1% TOL	120.00
DECADE RESISTOR BOX <= 1% TOL	70.60
DECADE RESISTOR BOX > 1% TOL	120.00
DIELECTRIC TESTER <= 10K VOLTS	110.00
DIELECTRIC TESTER: > 10K VOLTS AND <= 100K VOLTS	235.00
DIGIBRIDGE	110.00
DIGITAL COUNTER	70.60
DIGITAL CURRENT METER	44.00
DIGITAL INSULATION TESTER <=5K VOLTS	70.60
DIGITAL MULTIMETER	70.60
DIGITAL OSCILLOSCOPE: SINGLE CHANNEL	160.00
DIGITAL OSCILLOSCOPE:TWO CHANNEL	200.00
DIGITAL OSCILLOSCOPE: FOUR CHANNEL	240.00
DIGITAL OSCILLOSCOPE: FIVE CHANNEL	260.00
DIGITAL TACHOMETER	70.60
DIGITAL TIMER	32.00
DME /TRANSPONDER TEST SET	280.00
DME TEST SET	120.00
DISCHARGER, BATTERY	70.60
DISTORTION ANALYZER	110.00
DUMMY RF LOAD	44.00

E

EDDY CURRENT INSTRUMENT	108.50
EDDY CURRENT TESTER	108.50



Mobile Calibration

EDDY CURRENT/CONDUCTIVITY TESTER	205.00
ELECTRONIC COIL TESTER	70.60
ELECTRONIC COUNTER	70.60
ELECTRONIC ENGINE TIMER	110.00
ELECTRONIC TACHOMETER	70.60
ENCODER	23.25
ENGINE ANALYZER	70.60

F

FIRE DETECTOR TEST SET	110.00
FLITEPHONE TEST SET	225.00
FREQUENCY COUNTER	110.00
FREQUENCY METER	70.60
FUEL QUANTITY TESTER	145.00
FUNCTION GENERATOR	140.00

G

GRAPHIC SCOPE METER	70.60
GAUSS METER	32.50
GROUND BOND TESTER	70.60
GROUND FAULT INDICATOR TESTER	70.60
GROUND IMPEDANCE TESTER	70.60
GROUNDING STRAP	44.00

H

HEAT BONDING KIT	110.00
HEATCON	350.00
HIGH FREQUENCY SURGE TESTER	150.00
HIGH PRESSURE STATIC TEST	49.75
HIGH TENSION LEAD TESTER	44.00
HIGH VOLTAGE PROBE > 1000 VOLTS	108.00
HIPOT/DIELECTRIC TESTER: <= 10000 VOLTS	110.00
HIPOT: > 10000 VOLTS AND <= 100K VOLTS	235.00
HOT STICK TESTER	235.00

I

IGNITION LEAD TESTER	44.00
ILS TEST SET	250.00
IMPEDANCE TESTER	70.60
INSULATION TESTER: <= 1000 VOLTS	70.60
INSULATION TESTER: 1001 – 10K	110.00
INSULATION TESTER: 10001 – 100K	235.00



Need a new
multimeter?

Call 937-898-5696 for
new multimeter pricing



J

JETCAL ANALYZER	335.00
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K

KILOWATT METER	70.60
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L

LCR METER	142.00
LEAKAGE TESTER	71.00
LOOP CONTROLLER	44.00

M

MAGNETIC COMPASS	105.00
MASTERCHARGER	232.50
MECHANICAL TACHOMETER	70.60
MEGGER: <= 1000 VOLTS	70.60
MEGGER: 1001 AND <= 10000 VOLTS	110.00
MEGGER: 10001 AND <= 100000 VOLTS	235.00
MEGOHMMETER	70.60
MIC / HEADSET TESTER	44.00
MICROAMP METER	44.00
MICRO-OHMMETER	70.60
MICROPHONE/HEADSET TESTER	44.00
MILLIAMPMETER	44.00
MILLI-OHMMETER	70.60
MOISTURE METER	105.00
MULTIMETER: DIGITAL OR ANALOG	70.60
MULTIMETER: HANDHELD	70.60
MULTIMETER: OVER 5.5 DIGITS TO 6.5 DIGITS	110.00
MULTI-FUNCTION CALIBRATOR	500.00
MULTI-FUNCTION GENERATOR	140.00
MULTI-RANGE OHMMETER	70.60
MULTI-RANGE VOLTMETER	70.60
MULTI-SCOPE METER	70.60

Popular
Certifications

FLUKE & EXTRECH

SALE

N

NETWORK CABLE TESTER	44.00
NICAD BATTERY CHARGER	232.50

O

OHMMETER: MULTIRANGE	70.60
OHMMETER: PANELMOUNT	44.00
OSCILLOSCOPE: SINGLE CHANNEL	160.00
OSCILLOSCOPE: TWO CHANNEL	200.00
OSCILLOSCOPE: FOUR CHANNEL	240.00
OSCILLOSCOPE: FIVE CHANNEL	260.00

P

PAINT RESISTIVITY METER	32.00
PH METER	44.00
PHASEMETER	110.00
PROP BALANCER	225.00
PHOTO-TACHOMETER	70.60
PORTA TEST UNIT, FUEL	400.00
POWER SUPPLY, AC	110.00
POWER SUPPLY, DC	70.60
PROBE, HIGH VOLTAGE > 1000 VOLTS	108.00
PROCESS CALIBRATOR	150.00

R

RADAR TEST SET	500.00
RADIOMETER	70.60
RECORDER, AMPROBE	76.50
RECTIFIER	40.50
REFLECTOMETER	70.60
RF DUMMY LOAD	44.00
RF SIGNAL GENERATOR	284.00
RF MILLIVOLT METER	75.00



RPM ENGINE METER	110.00
RUDDER POWER CONTROL BOX	70.60
S	
SAFETY ANALYZER	120.00
SCOPE PROBE	32.00
SCOPMETER	110.00
SCR TESTER	44.00
SERVICE MONITOR, HIGH POWER	284.00
SERVICE MONITOR, LOW POWER	189.00
SHUNT, CURRENT	44.00
SIGNAL GEN., CW<=2GH	284.00
SIGNAL GEN., CW/MODULATION <2GH	284.00
SIGHT COMPASS	105.00
SOUND LEVEL METER	70.60
STABILIZATION TESTER	70.60
STATIC GROUND STRAP	44.00
STATIC STRAP TESTER	44.00
STOPWATCH	32.00
STROBSCOPE	70.60
SUPERSEDER II & III BATTERY CHARGER	232.50
SWEEP GENERATOR	140.00
T	
TACHOMETER: DIGITAL	70.60
TACHOMETER: MECHANICAL	70.60
TCAS TEST SET	280.00
TIMER	32.00
TIME-DOMAIN REFLECTOMETER	105.00
TIME SYNTHESIZER	284.00
TCAS TEST SET	280.00
TRANSPONDER	280.00
TRANSPONDER/INTERROGATOR SET	280.00
TRICKLE CHARGER	44.25
TOUCH TESTER	44.00
U	
ULTRA HIGH VOLTAGE HIPOT>50K VOLTS	235.00
ULTRASONIC DETECTOR	105.00
V	
VIBRATION ANALYZER	220.00
VIBRATION METER	105.00



Mobile Calibration

VOLTMETER: SINGLE RANGE	44.00
VOLTMETER: MULTI-RANGE	70.60
VOLT-OHM METER	70.60
VOR/ILS TEST SET	250.00
VOR/ILS/GS TEST SET	270.00
VOR/ILS/MB/COMM TEST SET	280.00
W	
WATTMETER	70.60
WATTMETER, ELEMENT EACH	44.00
WATTMETER, MULTIRANGE	110.00
WHEATSTONE BRIDGE	110.00
WRIST STRAP TESTER	44.00
X	
XPNDR/INTERROGATOR SET	280.00
Z	
ZETEC EDDY CURRENT INSTRUMENT.	108.50

Popular
Certifications

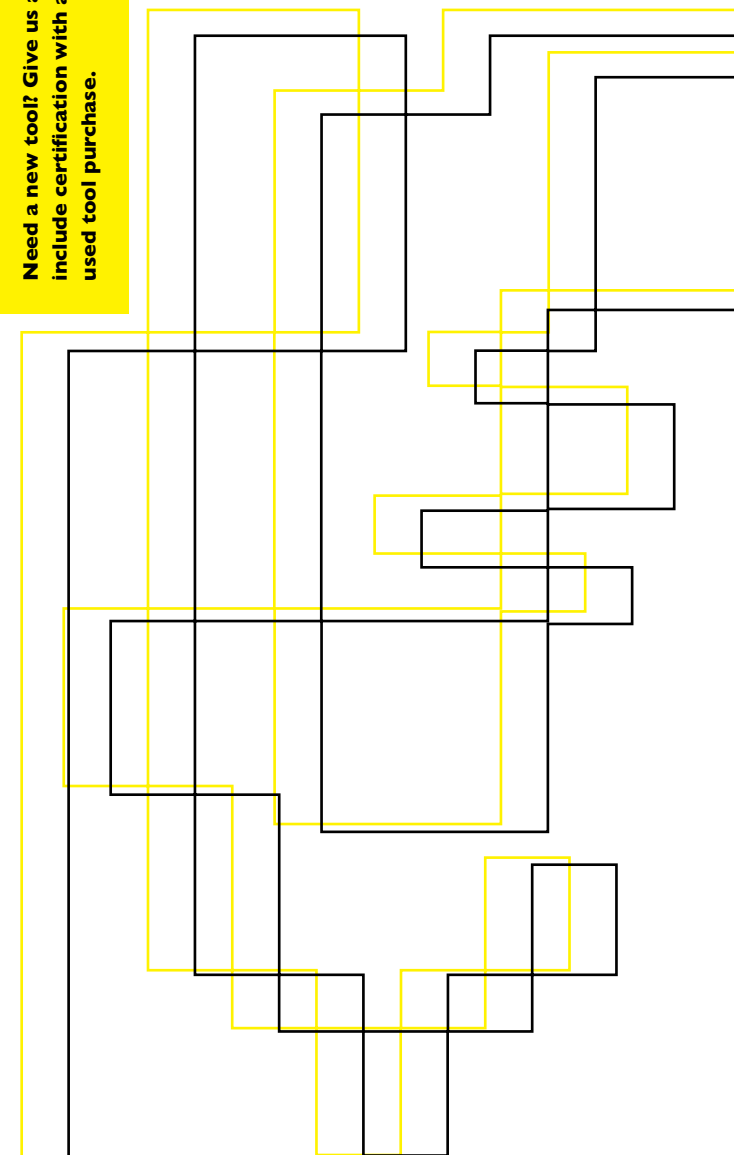


Need a new tool? Give us a try. We include certification with any new or used tool purchase.

CLAMP METER
STOP WATCH
MEGOHMETER



Visit www.ttlcal.com



Popular Electronic Products

Offering you the best products with accuracy guaranteed.



True-rms AC/DC Clamp Meter

- ✓ 600 A ac and dc current measurement
- ✓ Optional iFlex™ current probe measures to 2500 A ac
- ✓ Min, max, avg, and inrush

MODEL
NUMBER
FLU-374

MODEL
NUMBER
EXT-330



Mini Multimeter

- ✓ Autoranging DMM with 12 functions and 0.5% basic accuracy
- ✓ AC/DC voltage and current, resistance, capacitance, frequency, temperature, duty cycle, and diode/continuity
- ✓ Built-in non-contact AC voltage detector (NCV) with red LED indicator and audible beeper
- ✓ Large-digit 4,000 count LCD display
- ✓ 10A max current
- ✓ Max hold, data hold, relative and auto power off
- ✓ Type K temperature measurements
- ✓ Complete with test leads, tilt stand, protective holster, general purpose type K bead probe and 2 AAA batteries



Case Included

Fluke 177 Multimeter

- ✓ Large LCD backlit display
- ✓ Lifetime warranty
- ✓ Automatic ranging that measures twice as quickly as other multimeters
- ✓ Measures voltage, resistance, capacitance, frequency, diode testing, continuity and 10 amp current capacity
- ✓ Basic accuracy .09%
- ✓ Includes manual, test leads, and case

MODEL
NUMBER
FLU-117



MODEL
NUMBER
FLU-179

Case Included

MEASURETEMP

Fluke 179 Multimeter

- ✓ Measures temperature (probe included)
- ✓ Large LCD backlit display
- ✓ Lifetime warranty
- ✓ Automatic ranging that measures twice as quickly as other multimeters
- ✓ Measures voltage, resistance, capacitance, frequency, diode testing, continuity and 10 amp current capacity
- ✓ Basic accuracy .09%
- ✓ Includes manual, test leads, and case

MODEL
NUMBER
EXT-470



ECONOMICAL

Extech Multimeter

- ✓ True RMS DMM with 12 functions and 0.3% basic accuracy
- ✓ AC/DC voltage and current, resistance, capacitance, frequency, typeK and IR temperature, diode/continuity, and duty cycle
- ✓ Built-in non-contact InfraRed thermometer with 8:1 distance to target ratio with 0.95 fixed emissivity
- ✓ Input fuse protection and mis-connection warning
- ✓ 20A max current
- ✓ Type K temperature measurements
- ✓ Data hold, relative, auto power off
- ✓ Large-digit backlit LCD
- ✓ Complete with CAT III test leads, tilt stand, protective holster, velcro hanging strap, type K bead wire temp probe and 9V battery

Most items are
in stock and
all are certified
upon purchase.



Stop Watch

- ✓ 1/100th second resolution for 30 min
- ✓ 1 second resolution up to 24 hours
- ✓ Calendar displays day, month, and date

MODEL
NUMBER
EXT-365515



BEST
SELLER

MODEL
NUMBER
FLU-87-5

Fluke 87-5 Multimeter

- ✓ Unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment (87V)
- ✓ Built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument
- ✓ Optional magnetic hanger for easy set-up and viewing while freeing your hands for other tasks
- ✓ Large digit display with bright, two-level backlight makes the 80- Series V significantly easier to read than older models



Case Included

MODEL
NUMBER
TTL-18473-8747-A



937-898-5696

11601 N. Dixie Dr, Tipp City, OH 45371

www.ttlcal.com



TORQUE



Did you know?

At TTL we carry a wide variety of CDI torque wrenches for purchase. We also stock parts for almost all American made wrenches so we can bring your wrench back to life with precision and quality.

Do you know your torque wrench drive size? Drive size determines cost for digital and analog torque wrenches.

C	
COMPUTORQUE TORQUE WRENCH 1/2" DRIVE	42.00
COMPUTORQUE TORQUE WRENCH 3/4" DRIVE	63.00
D	
DIGITAL TORQUE WRENCH: 1/4 INCH DRIVE	32.00
DIGITAL TORQUE WRENCH: 3/8 INCH DRIVE	37.00
DIGITAL TORQUE WRENCH: 1/2 INCH DRIVE	42.00
DIGITAL TORQUE WRENCH: 3/4 INCH DRIVE	63.00
DIGITAL TORQUE WRENCH: 1 INCH DRIVE <= 1000 FT LB	85.00
DIGITAL TORQUE WRENCH: 1 INCH DRIVE > 1000 TO 2500 FT LB	118.00
DIGITAL TORQUE MULTIPLIER 5001-10000 FT LB	350.00
DIGITAL TORQUE MULTIPLIER 10001-20000 FT LB	500.00
G	
GEARTRONICS TORQUE MULTIPLIER	120.00
N	
NUTRUNNER	86.00
O	
OIL FILTER WRENCH	32.00
P	
POWERDYNE TORQUE MULTIPLIER: < 2501 FT LB	160.00
POWERDYNE TORQUE MULTIPLIER: 2501-5000 FT LB	250.00

POWERDYNE TORQUE MULTIPLIER: 5001-10000 FT LB	350.00
POWERDYNE TORQUE MULTIPLIER: 10001-20000 FT LB	500.00
PRESET TORQUE ADAPTOR	32.00
T	
TORQUE ALERT: 3/4 INCH DRIVE	63.00
TORQUE ANGLE CHECK ADDED TO STANDARD FEE	35.00
TORQUE CALIBRATOR: <= 75 FT LB OR 900 IN LB	120.00
TORQUE CALIBRATOR: > 75 FT LB OR 900 IN LB	175.00
TORQUE CALIBRATOR: MULTI-RANGE, 2 RANGES	260.00
TORQUE CALIBRATOR: MULTI-RANGE, 3 RANGES	350.00
TORQUE CALIBRATOR: MULTI-RANGE, 4 RANGES	435.00
TORQUE DRIVER: 1/4 INCH DRIVE	32.00
TORQUE LIMITER	32.00
TORQUE MULTIPLIER	120.00
TORQUE SCREWDRIVER: 1/4 INCH DRIVE	32.00
TORQUE TRANSDUCER: <= 75 FT LB OR 900 IN LB	120.00
TORQUE TRANSDUCER: MULTI-RANGE, 2 RANGES	260.00
TORQUE TRANSDUCER: MULTI-RANGE, 3 RANGES	350.00
TORQUE TRANSDUCER: MULTI-RANGE, 4 RANGES	435.00
TORQUE WATCH	41.50
TORQUE WRENCH TESTER: <= 75 FT LB OR 900 IN LB	120.00

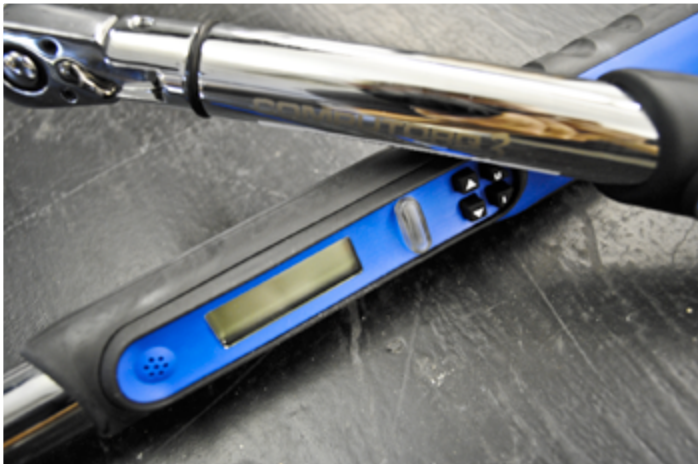
TORQUE WRENCH TESTER: >75 FT LB OR 900 IN LB	175.00
TORQUE WRENCH TESTER: MULTI-RANGE, 2 RANGES	260.00
TORQUE WRENCH TESTER: MULTI-RANGE, 3 RANGES	350.00
TORQUE WRENCH TESTER: MULTI-RANGE, 4 RANGES	435.00
TORQUE WRENCH, COMPUTORQ II 1/2 INCH DR	42.00
TORQUE WRENCH, COMPUTORQ II 3/4 INCH DR	63.00
TORQUE WRENCH: 1/4 INCH DRIVE	32.00
TORQUE WRENCH: 3/8 INCH DRIVE	37.00
TORQUE WRENCH: 1/2 INCH DRIVE	42.00
TORQUE WRENCH: 3/4 INCH DRIVE	63.00
TORQUE WRENCH: 1 INCH DRIVE <= 1000 FT LB	85.00
TORQUE WRENCH: 1 INCH DRIVE > 1000 TO 2500 FT LB	118.00
TORQUE WRENCH: 1-1/2 INCH DRIVE	160.00
TORQUE WRENCH: MULTIPLIER 5001-10000 FT LB	350.00
TORQUE WRENCH: MULTIPLIER 10001-20000 FT LB	500.00
W	
WATCH, TORQUE	41.50

Popular
Certifications



Mobile Calibration

“ We are your torque wrench's best critic. ”



IN A PINCH

& NEED A WRENCH?

We carry a wide variety of click-type, digital, and dial torque wrenches in stock. New and used stock tool items ship same day.

Torque- Turning wrenches from the beginning

It's where calibration all began at Tool Testing Lab. Beginning with a wrench and a dream, Tool Testing Lab has made huge strides in becoming a versatile company to better serve our customers calibration and tooling needs. As our capabilities continue to expand, so do our expectations...We set our standards high in delivering quality service while still providing a quick turn-around time.





FORCE / MASS / TENSION

Did you know?

All new tool purchases are moved to the front of the line for calibration. Our goal is for them to ship out the same day.



Need an aircraft scale in a hurry? We offer a certified 50K aircraft scale as a weekly rental. Call for details. **Save Big!**

A	
AIRCRAFT SCALE UP TO 5,000 LBS. EACH CELL	78.50
AIRCRAFT SCALE 5,001 TO 10,000 LBS. EACH CELL	100.00
AIRCRAFT SCALE 10,001 TO 50,000 LBS. EACH CELL	136.00
AIRCRAFT SCALE 50,001 TO 100,000 LBS. EACH CELL	285.00
B	
BALANCE BEAM SCALE	31.50
BEAM SCALE	31.50
BELT TENSIONER GAGE	48.00
BORROUGHS CABLE TENSIO METER	48.00
BRITISH TENSIO METER + US CABLE	184.00
C	
CABLE LIFTING BAR	56.50
CABLE TENSIO METER: PACIFIC SCIENTIFIC	119.00
CABLE TENSIO METER: TENSITRON	119.00
CABLE TENSIO METER: BORROUGHS	48.00
CABLE TENSIO METER: BRITISH & U.S.	184.00
CABLE TENSIO METER: TENSIO METER: OVER 600 LBS.	193.00
CABLE TENSIO METER: BRITISH CABLES ADDITIONAL COST	65.00
CALIBRATION SPRING	31.50
CHAIN HOIST	78.50
CRANE SCALE UP TO 500 LBS. EACH	100.00
CRANE SCALE 501 TO 20,000 LBS. EACH	183.00
CUSTOM LOAD TEST	56.50

Popular
Certifications

D	
DIGITAL DYNAMOMETER	183.00
DIGITAL FORCE GAGE	71.00
DIGITAL SCALE	31.50
DIGITAL TENSIO METER US CABLE	119.00
DIGITAL TENSIO METER US & BRITISH CABLE	184.00
DUROMETER: 1 TYPE	47.25
DUROMETER: 2 TYPES	70.75
DUROMETER: 3 TYPES	97.25
DUROMETER: 4 TYPES	123.75
DUROMETER: STANDARD	123.75
DYNAMOMETER	183.00
E	
ENERPAC LOAD CELL 5,001 TO 10,000 LB EACH	100.00
ENERPAC LOAD CELL UP TO 5,000 LBS. EACH	78.50
ENGINE SLING	78.50
F	
FABRIC TESTER	32.50
FALL RESTRAINT SYSTEM	450.00
FISH SCALE	31.50
FLOOR SCALE UP TO 100 LBS.	31.50
FLOOR SCALE 101 TO 500 LBS.	100.00
FLOOR SCALE 501 TO 1000 LBS. EACH	150.00
FLOOR SCALE 1,001 TO 3000 LBS. EACH	225.00
FLYING WIRE TENSIO METER	145.00
FORCE GAUGE	78.50
G	
GRAM SCALE	31.50

GRAM WEIGHT, PER WEIGHT < 1 Kg	5.60
GRAM WEIGHT, PER WEIGHT >= 1 Kg	10.75
GRIPSCALE	23.50
H	
HOIST UP TO 500 LBS. EACH	100.00
HOIST 501 TO 20,000 LBS. EACH	183.00
K	
KENT-MOORE TENSION GAUGE	48.00
KNEE FORCE GAUGE	44.00
KNEE JOINT TESTER	44.00
L	
LOAD CELL UP TO 5,000 LBS. ONE DIRECTION	78.50
LOAD CELL 5,001 TO 10,000 LBS. ONE DIRECTION	100.00
LOAD CELL 10,001 TO 50,000 LBS. ONE DIRECTION	136.00
LOAD CELL 50,001 TO 100,000 LBS. COMPRESSION	285.00
LOAD CELL UP TO 5,000 LBS. BOTH DIRECTIONS	117.75
LOAD CELL 5,001 TO 10,000 LBS. BOTH DIRECTIONS	150.00
LOAD CELL 10,001 TO 40,000 LBS. BOTH DIRECTIONS	204.75
LB. WEIGHTS EACH, < 2 LB OR 32 OUNCE	5.60
LB. WEIGHTS EACH, >= 2 LB OR 32 OUNCE	10.75
O	
OZ. WEIGHT < 32 OZ	5.60
OZ. WEIGHT > 32 OZ	10.75



Mobile Calibration



P

PLATFORM SCALE < 101 LBS	31.50
PLATFORM SCALE 101 TO 500 LBS.	100.00
PLATFORM SCALE 501 TO 1000 LBS. EACH	150.00
PLATFORM SCALE 1,001 TO 3000 LBS. EACH	225.00
PROOF TEST (CHAIN OR CABLE)	56.50
PROVING RING	98.00
PULL TESTER, WIRE TERMINALS	108.00
PUSH OR PULL SCALE	31.50

S

SAFE FLIGHT FORCE GAGE	44.00
SAFE FLIGHT SCALE	44.00
SAFETY HARNESS	56.50
SCALE: BALANCE BEAM	31.50
SCALE: DIGITAL	31.50
SCALE: GRAM	31.50
SCALE: PUSH OR PULL	31.50
SCALE: SPRING OR FISH	31.50
SHOCK ABSORBING LANYARD	56.50
SPRING SCALE	31.50
SPRING TESTER	44.00
SPRING, CALIBRATION	31.50
STRAP & BANDING TENSION METER	48.00

T

TENSIOMETER: BORROUGHS	48.00
TENSIOMETER: BRITISH CABLE ONLY	119.00
TENSIOMETER: DIGITAL (US CABLE)	119.00
TENSIOMETER: FLYING WIRE	145.00
TENSIOMETER: OVER 600 LBS.	193.00
TENSIOMETER: U.S. CABLE ONLY	119.00
TENSIOMETER US & BRITISH CABLE	184.00
TRIPLE BEAM SCALE	31.50

U

UTILITY SCALE	31.50
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V

VALVE SPRING TESTER	44.00
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W

WEIGHT EACH, < 2 LB OR 32 OUNCE	5.60
WEIGHT EACH, >= 2 LB OR 32 OUNCE	10.75
WEIGHT, GRAM < 1 Kg	5.60
WEIGHT, GRAM >= 1 Kg	10.75
WELD FORCE GAGE	155.00
WELD PROBE FORCE GAGE	155.00
WINGRIP	450.00
WIRE PULL TESTER	108.00



New and used tensiometers are available for purchase. We carry a variety of digital and analog styles for you to choose from. We understand the importance of comfort and accessibility when working with tensiometers. Every tensiometer includes a cable size guide and a chart when applicable.



Popular
Certifications



TEMP & HUMIDITY

Did you know?

You can check out our ISO/IEC 17025 accreditation online at www.ttlcal.com.

A

ALCOR EGT SYSTEM TESTER	108.50
ANEMOMETER-THERMO	110.00
APU TURBINE TESTER	165.00

B

BARFIELD TEMPERATURE TESTER	108.50
BONDING METER	70.60

C

CHT SYSTEM CHECKER	108.50
CHART RECORDER, TEMPERATURE & HUMIDITY	77.00

D

DECAY HEATER TESTBOX	105.00
DIGITAL INFRARED TEMPERATURE	75.00
DIGITAL TEMPERATURE PROBE	75.00
DIGITAL THERMOMETER	75.00
DIGITAL THERMOMETER: MULTISENSOR & MULTIRANGE	75.00
DIGITAL THERMOMETER 3 PTS.	37.50
DIGITAL THERMOMETER: EACH ADDITIONAL CHECK POINT	10.50
DIGITAL TIMER	32.00
DIGITAL TURBINE TEMPERATURE	108.50
DRYWELL CALIBRATOR: SINGLE WELL	150.00
DRYWELL CALIBRATOR: DUAL WELL	250.00
DUAL PROBE THERMOMETER	75.00

E

EGT SYSTEM TESTER	108.50
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F

FIRE DETECTOR	37.50
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FIRE DETECTOR TEST SET	110.00
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H

HALOGEN CALIBRATION KIT	44.00
HEAT BONDING KIT	110.00
HEATCON	350.00
HEATER DECAY TESTER	105.00
HEATER TESTBOX	105.00
HOWELL TEMPERATURE TESTER	110.00
HUMIDITY METER	75.00
HUMIDITY RECORDER	75.00
HUMIDITY/TEMP RECORDER	77.00
HYGROMETER	75.00
HYGRO-THERMOMETER	75.00

I

ICE POINT CALIBRATOR	145.00
IMAGING CAMERA	250.00
INFRARED GUN "TEMPERATURE"	75.00
INFRARED TEMPERATURE	75.00

M

MOISTURE INDICATOR	77.00
MULTIPLEXER MODULE	108.50

O

OVEN TEMPERATURE	145.00
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P

PH RECORDER	77.00
PLATINUM RESISTANCE THERMOMETER	250.00
PORTABLE OVEN	110.00
PSYCHROMETER	75.00
PYROMETER	75.00

R

RECORDER, TEMPERATURE & HUMIDITY	77.00
REMOTE WEATHER STATION	125.00
RESISTANCE TEMPERATURE DETECTOR 4-WIRE	145.00
RTD 4-WIRE	145.00

S

SPRT	250.00
SURFACE THERMOMETER	75.00

T

TEMP / HUMIDITY RECORDER	77.00
TEMPERATURE BATH	145.00
TEMPERATURE CALIBRATOR	150.00
TEMPERATURE CONTROLLER	110.00
TEMPERATURE HUMIDITY METER	77.00
TEMPERATURE INDICATOR 3 PTS.	31.50
TEMPERATURE INDICATOR: EACH CHECK POINT	10.50
TEMPERATURE INFRARED GUN	75.00
TEMPERATURE MULTIMETER	75.00
TEMPERATURE PROBE 3 PTS.	37.50
TEMPERATURE PROBE: EACH ADDITIONAL POINT	10.50
TEMPERATURE SENSOR 3 PTS.	37.50
TEMPERATURE SENSOR: EACH ADDITIONAL POINT	10.50
THERMAL IMAGING CAMERA OR GUN	250.00
THERMAL-ANEMOMETER	110.00
THERMOCOUPLE CALIBRATOR	145.00
THERMOCOUPLE, 1-4 POINTS	37.50
THERMOCOUPLE, 5 POINTS OR MORE	75.00
THERMOMETER 3 PTS.<300 DEG	37.50

Popular
Certifications



Mobile Calibration

THERMOMETER: EACH ADDITIONAL POINT	10.50
TURBINE TEMPERATURE TESTER	108.50
W	
WATER BATH	145.00
WEATHER STATION, REMOTE	125.00
WINDSHIELD HEAT TESTER	70.60



Come tour our facility!

Call us to schedule a tour of our lab and meet our technicians who handle your tools.

TEMP & HUMIDITY

Just a glimpse of what we have to offer...

“Get your temp checked here.”



MODEL NUMBER
EXT-IR100

Micro IR Thermometer

- ✓ Measures from -34° to 446°F (-33° to 230°C) with 0.1°F/°C resolution
- ✓ Automatic data hold when measure button is released
- ✓ 1:1 field of view (at 1" distance measure 1" target)
- ✓ Auto power off



Extech Mini IR Thermometer

- ✓ IR temperature range: -58° to 1200°F (-50° to 650°C)
- ✓ High resolution of 0.1° up to 199.9°
- ✓ High/low setpoints with audible alarm
- ✓ 0.10 to 1.00 adjustable emissivity for better accuracy on different surfaces
- ✓ Large backlit LCD display
- ✓ Data hold and min/max, overrange indicator, auto power off
- ✓ Includes 9V battery and pouch case

MODEL NUMBER
EX-42510A



MODEL NUMBER
EXT-445815

Humidity Alert II

- ✓ Provides visual indication when conditions are favorable to mold growth
- ✓ Audible and visual alarms
- ✓ Helps user meet USEPA, CDC, American Lung Association, AIHA, and other regulatory and association guidelines
- ✓ Relative humidity: 10 to 99%RH
- ✓ Temp range: 14° to 140°F (-10° to 60°C)
- ✓ Complete with built in stand, wall mount bracket, sensor, and 2 AAA batteries



MODEL NUMBER
EXT-445703

Hygro-Thermometer

- ✓ Large display shows temperature and humidity simultaneously
- ✓ Use on desk or wall mount
- ✓ Check min and max readings easily with one button
- ✓ Temp Range: 14° to 140°F (-10° to 60°C)
- ✓ Relative humidity: 10 to 99%RH
- ✓ Complete with built in tilt stand, wall mounting bracket and 1.5V AAA battery

Temp & Humidity



www.ttlcal.com



MODEL NUMBER
EXT-445702

Hygro-Thermometer Clock

- ✓ Clock displays 12/24 hour time
- ✓ Max/min with reset function
- ✓ Humidity: 10% - 85%
- ✓ Temp: -10° to 60°C (4 to 140°F)
- ✓ Accuracy: +/-6% RH; +/-1.8°F



937-898-5696

11601 N. Dixie Dr, Tipp City, OH 45371

www.ttlcal.com





We do not charge an inspection fee for tools that do not pass certification.

P	
PHOTO DETECTOR	70.60
PHOTOMETER	70.60
R	
REFLECTOMETER	70.60
S	
SPECTRAL LAMP	70.60
SPECTROMETER / SPECTRORADIOMETER	225.00
STROBE LIGHT	70.60
STROBESCOPE	70.60
U	
ULTRAVIOLET LIGHTMETER	70.60
UV LIGHT SENSOR	70.60
W	
WHITE LIGHT SENSOR	70.60

An abstract graphic design featuring the word "OPTICS" repeated multiple times. The text is rendered in three colors: teal, grey, and white. The words are oriented in various directions, including horizontally, vertically, and diagonally, creating a complex, layered visual effect. The background is solid black.

“ We thrive on expanding our capabilities. ”



Popular Certifications

FREE CERTIFICATION

4

BOGO

Buy one calibration, get one free.

NEW CUSTOMERS

At least one calibration purchase necessary to receive one free calibration. Offer valid for one time use to new customers only. Repairs are not included. Must send voucher with tools. Visit www.ttlcal.com and click on the new customer tab for voucher and more details.



DIMENSIONAL

Did you know?

We have a climate controlled gage lab used to test your equipment with optimal accuracy.

Have a surface plate that requires calibration? Take advantage of our on-site calibration and resurfacing capabilities. Ask us for details. [Mobile Calibration](#)

A

ANGLE BLOCK	10.85
ANGLE POSITION INDICATOR	70.60
ANVIL INTERCHANGEABLE MIC: 0 TO 6 INCH	52.00
ANVIL INTERCHANGEABLE MIC: 6 TO 12 INCH	80.00

B

BALL BAR	84.00
BELFORT PSYCHROMETER	75.00
BESTEST DIAL INDICATOR	23.25
BEVEL PROTRACTOR	31.25
BLADE MICROMETER	22.80
BORE GAGE: STANDARD	31.25
BORE GAGE: INTERCHANGEABLE HEAD	31.25
BORE GAGE: EACH ADDITIONAL HEAD	23.50
BORE GAGE WITH HEAD AND DIAL INDICATOR	65.25
BORE GAGE WITH RING	58.75
BOREScope	150.00
BRAKE DRUM MICROMETER	30.50
BUBBLE LEVEL OR PROTRACTOR	31.25

C

CALIBRATION ARM OR BAR (TORQUE): UP TO 24 IN	75.00
CALIBRATION ARM OR BAR (TORQUE): 25 TO 48 IN	125.00
CALIPERS RANGE: UP TO 12 INCH	23.25
CALIPERS RANGE: 13 TO 24 INCH	28.00
CALIPERS RANGE: 25 TO 36 INCH	45.00
CALIPERS RANGE: 37 TO 48 INCH	56.00
CALIPERS RANGE: 49 TO 72 INCH	56.00

CALIPERS RANGE: 73 TO 100 INCH	85.00
CAM-TYPE WELD GAGE	31.50
CHAMFER GAGE	43.50
CMM/LAYOUT	125.00
CMM MEASUREMENT: MAX AXIS LENGTH <= 24 IN	375.00
CMM MEASUREMENT: MAX AXIS EACH ADDITIONAL 12 INCHES	125.00
COMPULEVEL	31.25
CONTROL SURFACE PROTRACTOR	31.25
COATING THICKNESS STANDARD	23.25
COATING THICKNESS GAGE	50.00
COUNTERSINK GAGE	43.50
CRACK COMPARATOR	44.00
CRIMPER	36.25
CRIMPER + 1 ADDITIONAL DIE	63.50
CRIMPER + 2 ADDITIONAL DIE	90.75
CRIMPER + 3 ADDITIONAL DIE	118.00
CRIMPER + 4 ADDITIONAL DIE	145.25
CRIMPER + 5 ADDITIONAL DIE	172.50
CRIMPER + 6 ADDITIONAL DIE	199.75
CRIMPER + 7 ADDITIONAL DIE	227.00
CRIMPER + 8 ADDITIONAL DIE	254.25
CRIMPER + 9 ADDITIONAL DIE	281.50
CRIMPER + 10 ADDITIONAL DIE	308.75
CRIMPER + 11 ADDITIONAL DIE	336.00
CRIMPER + 12 ADDITIONAL DIE	363.25
CRIMPER + 13 ADDITIONAL DIE	390.50
CRIMPER, DIE ONLY	27.25
CRIMPER PIN GAGE	10.50
CRIMPER, WIRE	36.25
CRIMPER W/O DIE (HAND-HELD)	36.25

CUSTOM 1 OR 2 POINT CHECK	15.75
CUSTOM POINT CHECK >2: EACH ADDITIONAL POINT CHECK	5.25
CUSTOM CMM GAGE	125.00
CYLINDER GAGE, DIMENSIONAL	31.50
CYLINDER SQUARE	52.00

D

DEEP THROAT MICROMETER	23.25
DEPTH GAGE	23.25
DEPTH INDICATOR	23.25
DEPTH MICROMETER: SINGLE ROD	22.80
DEPTH MICROMETER: 0-3 INCH	28.50
DEPTH MICROMETER: 0-4 INCH	34.00
DEPTH MICROMETER: 0-6 INCH	42.00
DEPTH MICROMETER: 0-9 INCH	59.00
DEPTH MICROMETER: 0-12 INCH	78.00
DIAL BORE GAGE	31.25
DIAL CALIPERS: UP TO 12 INCH	23.25
DIAL CALIPERS: 13 TO 24 INCH	28.00
DIAL CALIPERS: 25 TO 36 INCH	45.00
DIAL CALIPERS: 37 TO 48 INCH	56.00
DIAL CALIPERS: 49 TO 72 INCH	56.00
DIAL CALIPERS: 73 TO 100 INCH	85.00
DIAL INDICATOR: SINGLE SCALE	23.25
DIAL INDICATOR: DUAL SCALE	28.00
DIAL INDICATOR TRANSDUCER	45.00
DIE GAGE	10.75
DIGITAL BORE INDICATOR	31.25
DIGITAL CALIPERS: UP TO 12 INCH	23.25
DIGITAL CALIPERS: 13 TO 24 INCH	28.00
DIGITAL CALIPERS: 25 TO 36 INCH	45.00



Mobile Calibration

Popular
Certifications

DIGITAL CALIPERS: 37 TO 48 INCH	56.00
DIGITAL CALIPERS: 49 TO 72 INCH	56.00
DIGITAL CALIPERS: 73 TO 100 INCH	85.00
DIGITAL INDICATOR	31.25
DIGITAL LENGTH STANDARD	100.00
DIGITAL LEVEL	31.25
DIGITAL MICROMETER	22.80
DIGITAL MICROMETER + STANDARD	28.30
DIGITAL PROTRACTOR	31.25

E

ELECTRONIC INDICATOR	23.25
ELECTRONIC THICKNESS GAGE	50.00
ENCODER	23.25
EXTENSOMETER	150.00

F

FAILED OR AS FOUND REPORT, INCLUDED WITH CAL	FREE
FARO ARM	125.00
FEELER GAGE: PER LEAF	2.85
FILLET GAGE SET	31.25
FLATNESS CHECK	27.50

G

GAGE AMPLIFIER	125.00
GAGE BLOCK INDIVIDUAL: 0-4 INCH EACH BLOCK	15.75
GAGE BLOCK INDIVIDUAL: 5-20 INCH EACH BLOCK	17.00
GAGE BLOCK SET: 0-4 INCH EACH BLOCK, 9 PC MIN	2.75
GAGE BLOCK SET: 5-20 INCH EACH BLOCK	17.00
GAGE PIN: EACH IN A SET	0.95
GAGE PIN WITH INDIVIDUAL CERTIFICATION	10.75
GAGE, CHAMFER	43.50
GAGE, FILLET SET	31.25
GRANITE SQUARE	45.00
GLASTONBURY: 6 INCH MASTER	70.60
12 INCH MASTER	105.00

GO OR NOGO THREAD PLUG GAGE (ONE MEMBER)	16.75
GO/NOGO GAGE: EACH MEMBER NON-THREADED	10.75
GO/NOGO THREAD PLUG GAGE (2 MEMBERS)	31.00

H

HALL-EFFECT THICKNESS GAGE	50.00
HARDNESS INDENTER	45.00
HARDNESS STANDARD	31.25
HARDNESS TESTER	145.00
HARDNESS TESTER: TEST BLOCK	31.25
HEIGHT GAGE: 1-12 INCH	40.00
HEIGHT GAGE: 13-18 INCH	46.00
HEIGHT GAGE: 19-24 INCH	53.00
HEIGHT GAGE: 25-30 INCH	60.00
HEIGHT GAGE: 30-40 INCH	66.00
HEIGHT GAGE: MASTER, CADILLAC	82.00
HEIGHT MASTER	82.00
HEIGHT PROBE	43.00

I

I.D. MICROMETER, SINGLE ROD < 13 IN	22.80
I.D. MICROMETER, SINGLE ROD > 12 IN	44.00
I.D. MICROMETER: MULTIPLE RODS	22.80
I.D. MICROMETER: EACH ADDITIONAL ROD	5.25
IGNITOR PLUG GAGE	23.25
IIW BLOCK	145.00
INCLINOMETER	31.25
INDICATORS (SEE DIAL OR DIGITAL INDICATOR)	
INFANT MEASURING BOARD	31.25

L

LASER LEVEL (NOT SITE)	31.25
LASER MICROMETER	280.00
LASER RANGE METER	31.25
LASER/SITE LEVEL	70.60
LASER TRANSDUCER	45.00
LEVEL: BUBBLE OR DIGITAL	31.25
LEVEL: SITE	70.60

M

MAGNETIC BLOCK	31.25
MASTER RING GAGE: UP TO 6 INCH	27.50
MASTER RING GAGE: 7 TO 12 INCH	40.00
MASTER RING GAGE: 13 TO 18 INCH	51.50
MICROMETER	22.80
MICROMETER: EACH ADDITIONAL ROD	5.25
MICROMETER: HEAD	22.80
MICROMETER STANDARD: UP TO 12 INCH, EACH	10.50
MICROMETER STANDARD: 13-24 INCH, EACH	23.00
MICROMETER STANDARD: 25-48 INCH, EACH	34.00
MICROMETER: DEEP THROAT, I.D., & O.D.	22.80
MICROMETER, DEEP THROAT: EACH ADDITIONAL ROD	5.25
MICROMETER: OPTICAL	55.00
MU-GAGE	46.00

N

NDT STANDARD	31.25
NICROPRESS CRIMPER	36.25
NOGO THREAD PLUG GAGE (ONE MEMBER)	16.75
NOGO/GO THREAD PLUG GAGE (TWO MEMBERS)	31.00
NUTRUNNER	86.00

O

O.D. MICROMETER	22.80
O.D. MICROMETER: EACH ADDITIONAL ROD	5.25
O.D. MICROMETER + STANDARD	28.30
OPTICAL COMPARATOR	225.00
OPTICAL FLAT	43.50
OPTICAL JIG TRANSIT	70.60
OPTICAL MICROMETER	55.00

P

PADDLE GAGE	22.80
PARALLELISM	23.25
PARALLELS PER PAIR	23.25

Popular
Certifications

Popular
Certifications



PI TAPE	34.50
PIN GAGE SET: INDIVIDUAL PRICE	0.95
PIN GAGE: INDIVIDUAL CERTIFICATION FOR EACH (SOME EXCEPTIONS APPLY)	10.75
PLASTIC THICKNESS GAGE	23.25
PLUG GO GAGE: NON THREADED	10.75
PLUG NOGO: NON THREADED	10.75
PLUG GO/NOGO GAGE: NON THREADED	21.50
POCKET MICROMETER	23.25
POCKET THICKNESS GAGE	23.25
PRECISION LEVEL	31.25
PRECISION SQUARE	28.00
PROFILE GAGE	23.25
PROFILOMETER	101.00
PROFILOMETER TEST PATCH EACH	45.00
PROPELLER PROTRACTOR	31.25
PROTRACTOR: BEVEL	31.25
PROTRACTOR: BUBBLE	31.25
PROTRACTOR: DIGITAL	31.25
PROTRACTOR/RULER/SQUARE COMBINATION SET	62.00
PROVING RING	98.00

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R	
RADIUS GAGE EACH POINT	2.85
RADIUS GAGE: 1 POINT	2.85
RADIUS GAGE: TWO POINTS	3.25
RADIUS GAGE: THREE POINTS	3.75
RADIUS GAGE: FIVE POINTS	4.50
REAMER	12.00
REFRACTOMETER	39.00
REPEATOMETER	23.25
RING GAGE, THREAD PASS/FAIL	23.25
RING GAGE: UP TO 6 INCH	27.50
RING GAGE: 7 TO 12 INCH	40.00
RING GAGE: 13 TO 18 INCH	51.50
ROTARY ENCODER	40.00
ROUGHNESS STANDARD PER PATCH	45.00
RULER: UP TO 48 INCH	23.25
RULER: EACH FOOT OVER 4 FEET ADD	5.00



Mobile Calibration

S	
SETTING RING, GAGE	27.50
SHADOW GAGE	23.25
SIEVE	40.00
SINE BAR	42.00
SITE LEVEL	70.60
SKIN WAVENESS KIT	150.00
SNAP GAGE GO/NOGO	26.25
SNAP RING GAGE MASTER	28.00
SPHERE	27.50
SPINDLE MICROMETER	31.50
SQUARE PRECISION	28.00
STAGE MICROMETER	100.00
STANDARDS: UP TO 12 INCH	10.50
STANDARDS: 13-24 INCH	23.00
STANDARDS: 25-48 INCH	34.00
STANDARDS: 49-80 INCH	50.00
STANDARD TEST PATCH	45.00
STANLEY COMPULEVEL	31.25
STEEL SCALE	23.25
STRAIGHT EDGE	23.25
SUPER MICROMETER	150.00
SURFACE PLATE <= 2X3 FT.	45.00
SURFACE PLATE: EACH ADDITIONAL 144 SQ. IN. > 2X3 FT.	6.00
SURFACE ROUGHNESS GAGE	101.00
SURFTEST	101.00
SURVEILLANCE MASTER UP TO 6 INCH	70.60
SURVEILLANCE MASTER 6 TO 12 INCH	105.00

T	
TAPE MEASURE UP TO 12 FT.	20.00
TAPE MEASURE: EACH FOOT OVER 12 FEET	1.00
TAPER GAGE	27.50
TCOMP	155.00
TELESCOPING GAGE SET	23.25
TEST PATCH, PROFILOMETER	45.00
TEST SIEVE	40.00
THERMACOMP	155.00
THICKNESS COATING GAGE	50.00
THICKNESS GAGE (MECHANICAL)	50.00

THICKNESS GAGE (ULTRASONIC)	50.00
THICKNESS TESTER	50.00
THREAD MEASURING WIRES: 3 WIRE SET	20.00
THREAD PITCH GAGE EACH SIZE	2.85
THREAD PLUG: EXCEPT NPT, GO GAGE	16.75
THREAD PLUG: EXCEPT NPT, NOGO GAGE	16.75
THREAD PLUG: (NPT)	31.00
THREAD PLUG GAGE (2 MEMBERS)	31.00
THREAD RING: GO GAGE, PASS/FAIL	23.25
THREAD RING: NOGO GAGE, PASS/FAIL	23.25
THREAD WIRES, 1 SET (3 WIRES)	20.00
TILT AND TURN TABLE	82.00
TRAVEL BOARD	82.00
TURBINE STRETCH INDICATOR	225.00

Popular
Certifications

U	
ULTRASONIC FLAW DETECTOR	105.00
ULTRASONIC STEP BLOCK	23.25
ULTRASONIC TESTER/THICKNESS	50.00
ULTRASONIC THICKNESS GAGE	50.00
UMG	150.00
UNIVERSAL BUBBLE PROTRACTOR	31.25



V	
V-BLOCK: 1 SIDE	44.00
V-BLOCK: 2 SIDED	70.00
VERNIER CALIPERS: UP TO 12 INCH	23.25
VERNIER CALIPERS: 13 TO 24 INCH	28.00
VERNIER CALIPERS: 25 TO 36 INCH	45.00
VERNIER CALIPERS: 37 TO 48 INCH	56.00
VERNIER CALIPERS: 49 TO 72 INCH	56.00
VERNIER CALIPERS: 73 TO 100 INCH	85.00
VERNIER HEIGHT GAGE: 12 INCH	40.00
VERNIER HEIGHT GAGE: 18 INCH	46.00
VERNIER HEIGHT GAGE: 24 INCH	53.00
VERNIER HEIGHT GAGE: 30 INCH	60.00
W	
WELDER LOAD VOLTMETER	44.00
WELDER LOAD AMPMETER	44.00
WELDER WIRE FEED RATE	12.00
WELD FILLET GAGE SET	31.25
WHEEL SECTION INSPECTION	87.75
WIRE LENGTH METER	23.25
WIRE STRIPPER	40.50
WINDSHIELD STANDARD	31.25
Z	
Z-MICROMETER	280.00



Hassle-free Certification: Avoid the hassle of certifying your own tools. With no RMA required, we keep it simple when sending in your tools. Just list it and ship it with a P.O. and you will be notified of the tools received.

**List it
& Ship it**



FLOW

Did you know?

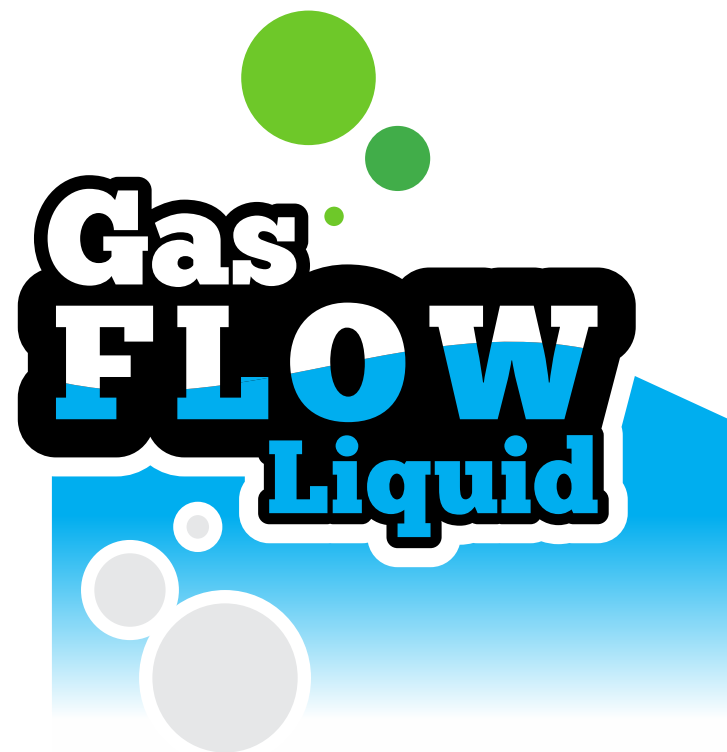
We can perform limited certifications, at your request, on many different tools.

Our capabilities are continuing to grow... Please don't hesitate to ask about a tool that is not shown.

A	
AIR FLOWMETER: <= 50 LPM	98.00
AIR FLOWMETER: 51 TO 1699 LPM	150.00
AIR FLOWMETER: 1700 TO 3200 LPM	225.00
AIR GAGE	75.00
ANALYZER, GAS	150.00
ANEMOMETER	75.00
ANEMOMETER-THERMO	110.00
B	
BALL FLOWMETER <= 50 LPM	98.00
BALL FLOWMETER: 51 TO 1699 LPM	150.00
BALL FLOWMETER: 1700 TO 3200 LPM	225.00
C	
CHLORINE METER	75.00
COMBUSTION ANALYZER	150.00
D	
DETECTOR, GAS, SNIFFER SINGLE GAS	75.00
DIGITAL FLOW METER	140.00
F	
FLOWMETER TEST BOX, FLOW, PRESS, TEMP	225.00
FLOWMETER: <= 50 LPM	98.00
FLOWMETER: 51 TO 1699 LPM	150.00
FLOWMETER: 1700 TO 3200 LPM	225.00
FLOWMETER: <= 1.8 CFM	98.00
FLOWMETER: 1.81 TO 60 CFM	150.00
FLOWMETER: 60 TO 160 CFM	225.00
FLOWMETER: <= 108 CFH	98.00
FLOWMETER: 109 TO 3600 CFH	150.00
FLOWMETER: 3600 TO 9600 CFH	225.00

Popular
Certifications

FLOWMETER BALL: <= 50 LPM	98.00
FLOWMETER: 51 TO 1699 LPM	150.00
FLOWMETER: 1700 TO 3200 LPM	225.00
FLOWMETER: 1 TO 50 GPM	98.00
FUEL PORTA TEST UNIT	400.00
G	
GAS ALARM, SNIFFER SINGLE GAS	75.00
GAS ANALYZER	150.00
GAS DETECTOR, SNIFFER SINGLE GAS	75.00
GAS INDUSTRIAL METER	425.00
GAS MONITOR, SNIFFER SINGLE GAS	75.00
GPM FLOWMETER	98.00
GRADUATED CYLINDER	24.00
H	
HYDROMETER	75.00
L	
LEAKAGE DETECTOR	75.00
LEAKAGE TEST	71.00
M	
MEASURING VESSEL OR CUP	24.00
O	
OXYGEN FLOWMETER	140.00
T	
TURBINE FLOWMETER	140.00
V	
VISCOSITY CUP	50.00
W	
WEATHER STATION, REMOTE	125.00



Mobile Calibration

**GO WITH THE
FLOW.**



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11601 N. Dixie Dr, Tipp City, OH 45371

www.ttlcal.com





PRESSURE

Did you know?

Tool Testing Lab has been calibrating tools for over 25 years.

We are known for our high quality pressure assemblies. See them on page 22.

A	
AIR CONDITIONER FREON TEST GAUGES	79.75
AIR CONDITIONER MANIFOLD	79.75
AIR DATA MULTIMETER	395.00
AIR DATA TEST SET, 3 ANALOG INST.	325.00
AIR DATA TEST SET, DIGITAL ALTIMETER, AIRSPEED, & VSI	395.00
AIR DATA TEST SET, ALTIMETER, AIRSPEED, & VSI W/ RVSM	425.00
AIRSPEED INDICATOR	99.50
ALPHATRON WIRE PULL TESTER	108.00
B	
BAROMETER, HIGH ACCURACY	57.75
BAROMETER, HIGH ACCURACY & TEMPERATURE	110.00
BAROMETER, TYPICAL ACCURACY	31.75
C	
CALIBRATOR: .2 TO 1000 PSI SINGLE RANGE	175.00
CALIBRATOR: 1000 TO 16000 PSI SINGLE RANGE	225.00
CHART RECORDER, LOW PRESSURE	105.00
CHART RECORDER, HIGH PRESSURE	115.00
COMBINATION VACUUM-PRESSURE GAUGE	48.00
COMBINATION VACUUM-PRESSURE GAUGE / HA	72.50
D	
DEAD WEIGHT CALIBRATOR, INCLUDE WEIGHTS	404.75
DECAY HEATER TESTBOX	105.00

DECAY PRESSURE KIT	110.00
DIFFERENTIAL CYLINDER TESTER	45.00
DIFFERENTIAL CYLINDER TESTER + ORIFICE	63.50
DIGITAL MANOMETER	57.75
DIGITAL PRESSURE GAUGE: 0-400 PSI	31.75
DIGITAL PRESSURE GAUGE: 401-999 PSI	36.50
DIGITAL PRESSURE GAUGE: 1000-5000 PSI	43.00
DIGITAL PRESSURE GAUGE: 5001-9999 PSI	49.75
DIGITAL PRESSURE GAUGE: 10000-15000 PSI	70.75
DIGITAL PRESSURE GAUGE W/ ACCURACY UNDER 1% ADD	26.00
H	
HEISE PRESSURE GAUGE	45.00
HIGH ACCURACY PRESSURE GAUGE: COMBINATION DUAL GAUGE, XX-0-XX PSI	72.50
HIGH ACCURACY: OXYGEN GAUGE CLEANING	26.00
HIGH ACCURACY PRESSURE GAUGE: 0-400 PSI	57.75
HIGH ACCURACY PRESSURE GAUGE: 401-999 PSI	62.50
HIGH ACCURACY PRESSURE GAUGE: 1000-5000 PSI	69.00
HIGH ACCURACY PRESSURE GAUGE: 5001-9999 PSI	75.75
HIGH ACCURACY PRESSURE GAUGE: 10000-15000 PSI	96.75
F	
FLUKE PRESSURE GAUGE MODULE	70.60
FORCE GAGE	71.00

Popular
Certifications

FUEL NOZZLE TESTER	115.00
H	
HASTINGS VACUUM GAUGE	96.00
HEATER DECAY TESTER	85.00
HIGH PRESSURE REGULATOR	85.00
HIGH PRESSURE STATIC TEST	49.75
HYDRAULIC PRESS GAUGE	70.75
HYDRAULIC TEST BOX, FLOW, PRESS, TEMP	140.00
M	
MAGNEHELIC PRESSURE GAUGE	31.75
MANOMETER	31.75
MANOMETER / HIGH ACCURACY	57.75
MERCURY PRESSURE GAUGE	31.75
MICO QUADRIGAGE	106.50
MULTI-RANGE PRESSURE CALIBRATOR	325.00
N	
NITROGEN PRESSURE REGULATOR	85.00
O	
ORIFICE TOOL	22.25
OUTFLOW VALVE TESTER	225.00
OXYGEN CLEANING	26.00
OXYGEN PRESSURE REGULATOR	85.00
P	
PITOT-STATIC TESTER, ALTIMETER & AIRSPEED	225.00
PITOT-STATIC TESTER, ANALOG ALTIMETER, AIRSPEED & VSI	325.00
PITOT-STATIC TESTER, DIGITAL ALTIMETER, AIRSPEED & VSI	395.00
PITOT-STATIC TESTER, ALTIMETER, AIRSPEED & VSI W/ RVSM	425.00

PRESSURE CALIBRATOR 0-1000 PSI	105.00
PRESSURE GAUGE: 0-400 PSI / 0-27 BAR	31.75
PRESSURE GAUGE: 401-999 PSI / 28-68 BAR	36.50
PRESSURE GAUGE: 1000-5000 PSI / 69-344 BAR	43.00
PRESSURE GAUGE: 5001-9999 PSI / 345-688 BAR	49.75
PRESSURE GAUGE: 10000-15000 PSI / 689-1034 BAR	70.75
PRESSURE GAUGE: COMBINATION DUAL GAUGE, XX-0-XX PSI	48.00
PRESSURE GAUGE W/ ACCURACY UNDER 1% ADD	26.00
PRESSURE GAUGE: OXYGEN GAUGE CLEANING	26.00
PRESSURE TESTER	105.00
PRESSURE TRANSDUCER	85.00
PRO SERIES TIRE KIT	63.50
PROOFMASTER KIT	108.00
Q	
QUADRIGAGE	106.50
R	
RAM GAUGE, HYDRAULIC PRESS	70.75
RATE OF CLIMB	99.50
RELIEF VALVE 0-400 PSI	32.00
S	
SETRA PRESSURE GAUGE	205.00
STATIC TEST- LOW PRESSURE	36.50
STRUT INFLATION GAUGE	43.00
T	
TIRE GAUGE	31.75
TIRE INFLATION TOOL	31.75

Certifications
Popular

U	
ULTRA HIGH PRESSURE REGULATOR	90.00
V	
VACUUM & PRESSURE COMBINATION GAUGE	48.00
VACUUM & PRESSURE COMBINATION GAUGE/HA	72.50
VACUUM GAUGE	31.75
VACUUM PRESSURE MODULE	55.00
VERTICAL SPEED INDICATOR	99.50
W	
WATER GAUGE	31.75

Custom Gauges for aviation

Custom Built for Aviation

When it comes to checking pressure, we understand the importance of safety and precision. Our line of TTL tire gauges are built with the aviation technician in mind. If you need something custom made, then we will make it happen. With our variety of parts and assembly options, we can create the perfect gauge for you to use for many years to come.

Visit www.ttlcal.com and click on pressure assemblies.

INFLATORS

“Choose from one of our pre-built gauges or customize your own.”



TTL-300-ATI

- ✓ 300 psi
- ✓ 2 psi resolution
- ✓ 1.6% FS accuracy
- ✓ Locking tire chuck
- ✓ Bleeder valve
- ✓ Blowoff valve for operator safety
- ✓ Inflation control lever
- ✓ Case included

TIRE KITS

TTL-300-DTG-K

- ✓ 300 psi
- ✓ 0.1 psi resolution
- ✓ 0.5% FS accuracy
- ✓ Includes Tire tread gauge
- ✓ Dual and straight chuck
- ✓ Quick Connect
- ✓ Protective boot
- ✓ Case included



“Everything you need for checking pressure accurately.”

TIRE GAUGES

TTL-300-DTG

- ✓ 300 psi
- ✓ 0.1 psi resolution
- ✓ 0.5% FS accuracy
- ✓ Backlit
- ✓ Peak hold
- ✓ Tracking mode
- ✓ Bleeder valve
- ✓ Protective boot
- ✓ Case included



Precision at it's best.

TTL-300-ATG

- ✓ 300 psi
- ✓ 2 psi resolution
- ✓ 1.6% FS accuracy
- ✓ Heavy duty
- ✓ Protective boot
- ✓ Case included



Inflate your tires with confidence.

TTL-300-DTI

- ✓ 300 psi
- ✓ 0.1 psi resolution
- ✓ 0.5% FS accuracy
- ✓ Locking tire chuck
- ✓ Bleeder valve
- ✓ Blowoff valve for operator safety
- ✓ Inflation control lever
- ✓ Case included



STRUT GAUGES

TTL-3000-ASG

- ✓ 3000 psi
- ✓ 1.6% FS accuracy
- ✓ Heavy duty
- ✓ Strut fitting
- ✓ Soft seat valve
- ✓ Air bleed valve
- ✓ Protective boot
- ✓ Case included



“Built Job Ready.”

CASES

Great for pressure gauges and other small tools!

Carrying Case

- ✓ Durable construction
- ✓ Affordable
- ✓ Large handles
- ✓ Made of rugged polypropylene
- ✓ Scratch resistant
- ✓ Safely store your special tools in the foam padded case
- ✓ All cases are black with two pad-lock tabs for security



Customizable

Need more hose length, or maybe a different fitting? If our assemblies are not exactly what you need, you can customize it with the parts listed.

	PLE-240		LEN-4ABV-T
	HOS-HFH8CP		PLE-127-BK
	HOS-HFB23		GOO-NC-04-300-BLUE
	HAL-H5265		CIR-2259B
	PLE-711-100		HAL-322
	DWY-A-183		PLE-6566-FT-BK
	TTL-021-0002.1		KER-N5532
	AIR-5652-4		HAL-H6116B

DESCRIPTION	P/N
6" Large bore dual foot tire chuck	HAL-322
6" Dual foot tire chuck	PLE-6566-FT-BK
1/4" Black hose rated 300 psi	GOO-NC-04-300-BLACK
1/4" Blue hose rated 300 psi	GOO-NC-04-300-BLUE
Blue rubber boot for analog gauge	TTL-021-0002.1
Black rubber boot for digital gauge	DWY-A-183
Clip-on tire chuck	HAL-H5265
Lever Valve	PLE-240
Female quick disconnect	HOS-HFB23
Male quick connect	HOS-HFH8CP
Bleed valve	PLE-711-100
Check valve	CIR-2259B
Free flow straight chuck	PLE-127-BK
Air bleed valve	LEN-4ABV-T
1/4" Soft seat valve	KER-N5532
1/4" Pipe cross	AIR-5652-4
Strut fitting	HAL-H6116B

"We strive for exceptional customer service and precision calibration."

TOOL TESTING LAB, INC. TERMS AND CONDITIONS

Tool Testing Lab, Inc. is referred to herein as "TTL". The Customer's acceptance of the products or services provided by TTL shall agree to the following terms and conditions.

1. Record Keeping - TTL will maintain records of calibration and repair history for 5 years minimum in our database system.

2. Pricing - TTL agrees to maintain the quoted calibration service pricing for the term of a purchase order and/or service contract, provided that a firm purchase order and/or contract for the work quoted is received within thirty (30) days of the quote date.

3. Calibration Intervals - Calibration intervals will default to one year, and can be set to any interval requested. Interval determined by our customer.

4. Payment Terms - Invoices are payable within thirty (30) days from their date. Finance charges of 1.5% monthly may be added if not paid when due.

5. Sales Taxes - Ohio sales tax will be collected on work shipped to an Ohio location, unless a tax exemption form is on file.

6. Transportation and Risk of Loss - Unless otherwise stated by TTL, delivery of products shall be F.O.B. point of shipment and transportation expenses shall be paid by the Customer. Risk of loss passes to the Customer at the point of shipment.

7. Warranty - TTL warrants all repairs & calibration made to be free from defects in material or workmanship under normal use and service for a period of ninety (90) days from the date of shipment to the Customer. TTL will repair or calibrate warranty equipment at no charge if such item is returned to Company's facility at the Customer's expense.

8. Limitation of Warranty and Liability - The liability of TTL (except as to title) shall in no case exceed the cost of correcting defects in products or calibrations and shall not extend beyond one (1) year from date of shipment. TTL assumes no liability for the consequences of misuse of products by the Customer. The foregoing is TTL's only obligation and the Customer's only remedy for breach of warranty. Except for gross negligence, willful misconduct, and remedies permitted under any other clause of these Terms and Conditions, the foregoing is the Customer's only remedy hereunder by way of breach of contract, negligence or other tort, or otherwise. In no event shall the Customer be entitled to incidental, special or consequential damages.

9. Discrepancies in Shipment and Damage to Merchandise - Products distributed by TTL are carefully packed and thoroughly inspected before leaving TTL's facility. Any claim for discrepancies will be honored only if reported within fifteen (15) days from receipt of shipment. \$3.00 storage charged monthly per tool not picked up or shipped 30 days prior certification.

10. Acceptance of Terms and Conditions - Acceptance of the terms and conditions herein is an essential prerequisite to any contract of sale made by the seller. No condition stated by the Customer in its offer or acceptance shall be binding upon the seller if in conflict with, inconsistent with, or in addition to the terms and conditions contained herein. Acceptance of any good or service manufactured and/or delivered hereunder shall constitute purchaser's agreement to said terms and conditions.

11. Safety - TTL reserves the right to refuse to carry out any work, which, in TTL's opinion, would be hazardous.

PRICING

Any tool received in our lab and does not require repair will be CERTIFIED IN MAXIMUM 5 WORKING DAYS, or you will not be charged for the certification. TTL reserves the right to, with documented evidence; modify pricing quoted in error, or where the requirements of the work have necessitated a substantial change in manpower or equipment requirements. Additional equipment may be added at any time during the duration of the contract. Equipment may be deleted from the agreement with written notice from the Customer prior to the date of calibration under the agreement. We have a flat rate per tool cost, that will cover adjustment, certification and complete test data information. This will give you the benefit of knowing your cost in advance, without waiting on time consuming quotes or receiving a higher dollar invoice than expected. Any repairs required are an additional charge.

On-Site Work Flow - When work is performed at a Customer's site, it is the responsibility of the Customer to have instruments available to facilitate steady work-flow. TTL requests the Customer's cooperation in providing the on-site technician(s) with an environmentally controlled area to perform calibrations and to stage instruments. This area must have proper lighting and electrical service as well as adequate space to set up our computer(s) and printer(s).

On-Site Pricing - A signed agreement is required prior to scheduling on-site work. A dedicated work area may be required depending on the type of equipment. Minimum on-site charge is \$100 per technician per hr. plus travel charges and expenses for meals and lodging if overnight stay is required. If travel and labor time exceeds 12 hours, overnight stay is required. All tools certified after an 8 hr. work day and weekends, will be charged at 150% of the standard flat rate charge. Meals and lodging will be charged at actual costs. Travel expense is based on a round trip zone charge from our laboratory in Tipp City, Ohio. Travel time on weekends will be at 150% of the zone charge. **Equipment Evaluation Pricing** - If a unit is sent in for tool calibration, but is found to need repair and is beyond economical repair, we will offer a no charge evaluation. If we are unable to repair and certify the tool and a complete fail report including data is required, we will charge for this report.

Equipment Expedite Pricing - Expediting a certification has an additional surcharge as follows: Same day has 25% surcharge per item. Tool must be at TTL by 9 AM ET in order to ship same day. Next day has a 10% surcharge per item. We have up to 24 HR to complete certification for next day service. Holiday or weekend has a 100% surcharge per item.

STANDARDS AND PRACTICES

The service level, with data and uncertainties, is to be determined on a per item basis. A calibration certificate with traceability information will be provided. All work will be performed in accordance with TTL's Quality System.

And will include:

- All calibration standards will be traceable to SI units through NIST, or to other recognized national or international bodies or physical constants.
- All calibration processes will have a minimum of 4:1 Test Uncertainty Ratio (TUR). If less than 4:1, the actual T.U.R. will be noted.
- Calibration work will be performed by trained technicians.
- TTL will monitor and report the temperature and relative humidity under which the calibration work is performed
- Batteries will be replaced if under their stated voltage.
- If repairs are required prior to performing the calibration, an estimate of time and cost will be provided
- A sticker will include the calibration date, due date, and initials of the technician. Tamper-resistant seals will be applied where appropriate.
- A certificate of calibration will be supplied for each calibrated instrument.
- For items received in an out-of-tolerance condition, a separate out-of-tolerance notification will be provided. The out-of-tolerance report will identify the instrument, and include as-found data for any parameters found in an out-of-tolerance condition.
- Calibration recall notification will be provided for each device prior to the calibration due date.

For additional information please check our web site at www.ttlcal.com or call 937-898-5696.

**TOOL
TESTING
LAB**

THE TRUE MEASURE OF ACCURACY



937-898-5696

11601 N. Dixie Dr, Tipp City, OH 45371

www.ttlcal.com



List it & Ship it

Help us process your tools fast by providing the following info:

- ✓ P.O. number or name
- ✓ Contact info (new customer form is on our website)
- ✓ Return address
- ✓ Email (for tool notifications)
- ✓ Method of shipping (ground, next day air, ect.)
- ✓ Shipping account number (if applicable)
- ✓ List tools or indicate how many (we will verify that they match)
- ✓ Please note "expedite" if applicable (same day or next day service)
- ✓ Note repair concerns

Accepted Payment Terms:

Wire Transfer
Credit Card
Check
Cash

TOOL
TESTING
LAB

THE TRUE MEASURE OF ACCURACY



No RMA required.



PURCHASE ORDER

ORDERED BY
TOOL TESTING LAB, INC.
11601 N. DIXIE DR.
TROY, OH, 45371

Voice: 937-555-5555
Fax: 937-555-5555

Ship To:
EXAMPLE LLC
12345 EXAMPLE DR.
EXAMPLE, NY 12345

Account No.

Description

1" DIAL INDICATOR S&T TOP904
PLEASE CALIBRATE THE ABOVE TOOL

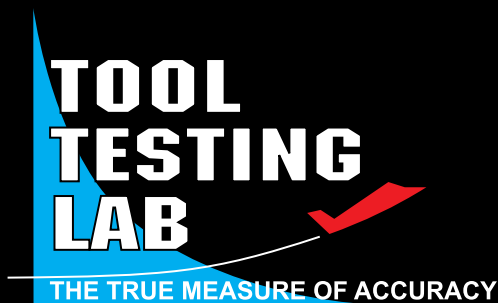
UNIT IS "STICKING" - PLEASE QUOTE
REPAIR BEFORE PROCEEDING.

RETURN ON UPS GROUND AC

PLEASE RUSH- SAME DAY

ANY QUESTIONS, CONTACT
@ 555-555-5555 OR EMAIL
JOHN.DOE@EXAMPLE.COM

Tool Calibration **PRICEGUIDE**



www.ttlcal.com

»»»»» P: 937-898-5696 <<<<<<<

»»»» F: 937-898-3037 <<<<<

Hop on board with us!

**We deliver quality service
with a quick turn-around.**

Try us today!



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