CAL500 Tension Gauge

Gauge Kit Contents:

Tension Gauge
Meter
Power Supply for meter (North American plug)
50 Test Bands (stainless steel, ¼”x.019” thick)
Carrying Case
Instructions

Specifications:

Unit of Measure: Lbs.; others selectable
Accuracy: ±5 Lbf.
Range: 10-500 Lbf.

Power Requirements:
For recharging meter
100/240 VAC
50/60 Hz

Product compatibility:
All versions of iCS250DL 1/4" tools.

For how to use the meter, please read and follow the manufacturer's instructions.
On-line version:

www.transducertechniques.com/pdf/SSI-Manual.pdf

Thank you for purchasing ***BAND-IT®*** products.

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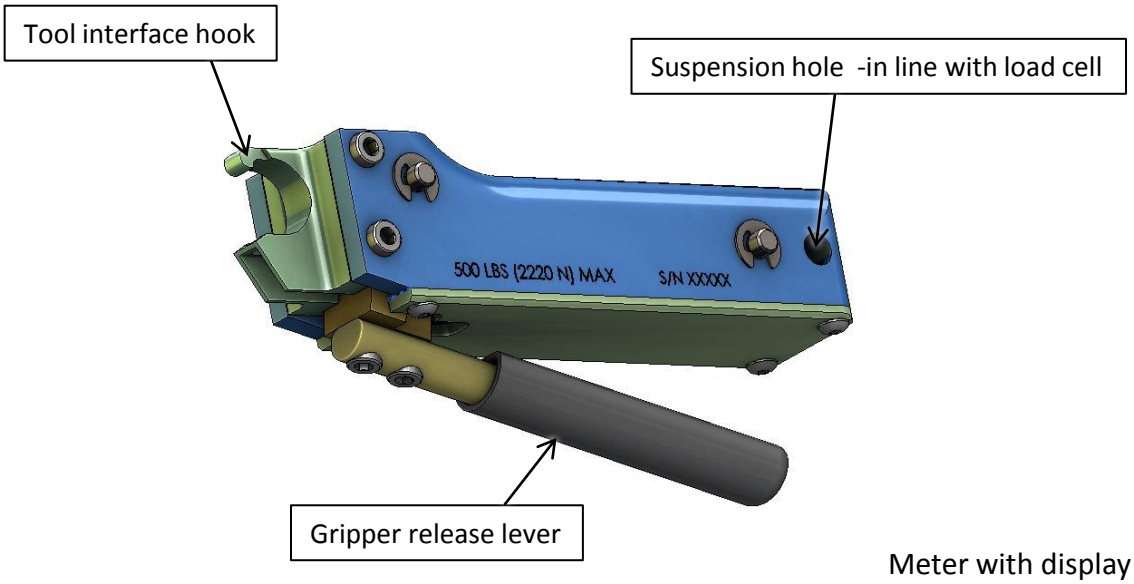
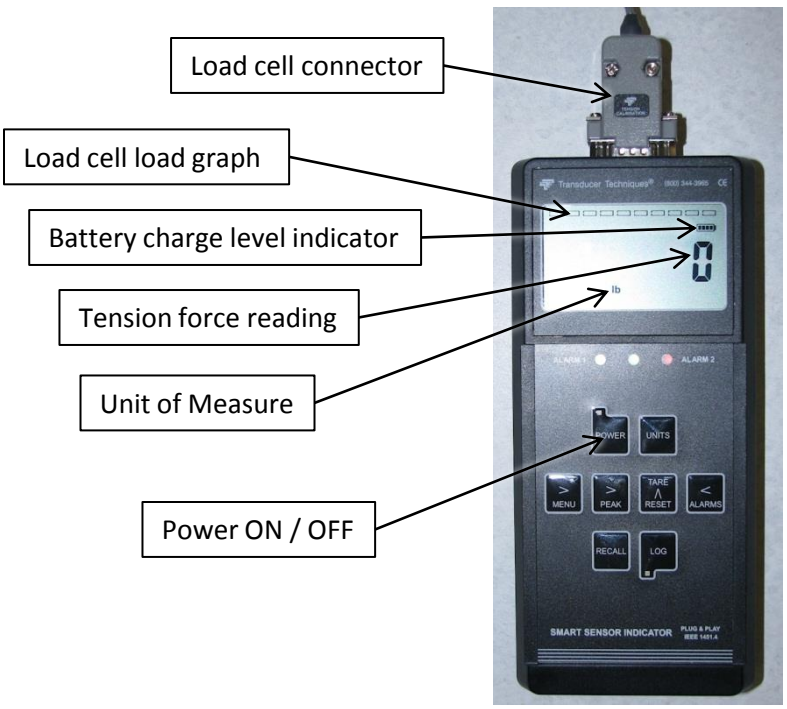
CAL500 Tension Gauge and Meter overview



Meter with display



Note:

The Tension Gauge may display a -5 to +5 Lbf reading when no load is applied and test band is in place, or more when the handle is squeezed. This is a normal condition resulting from device calibration. If the reading is outside of this range, or fluctuates randomly, check the Gauge's accuracy. Send device to ***BAND-IT*** for evaluation if necessary.

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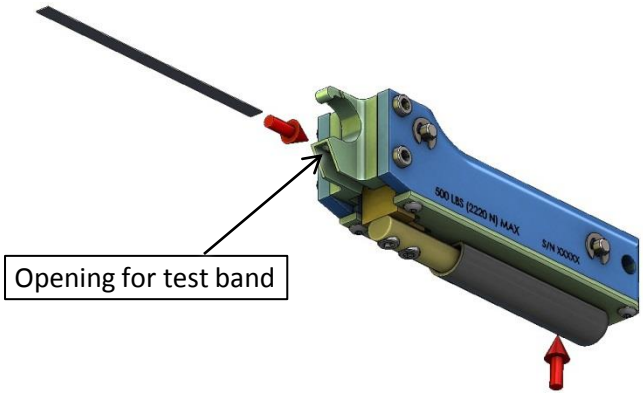
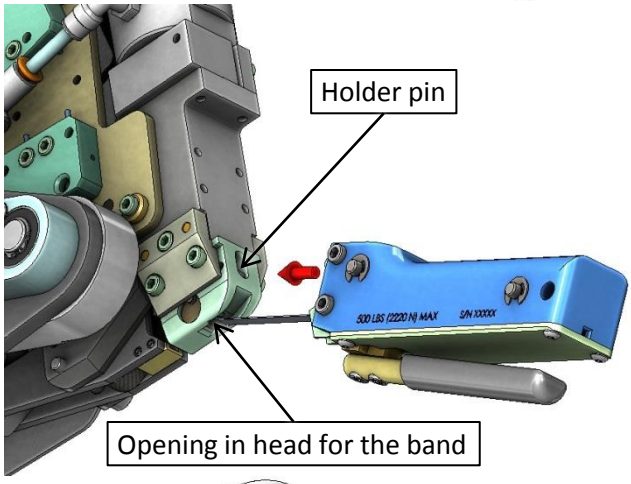
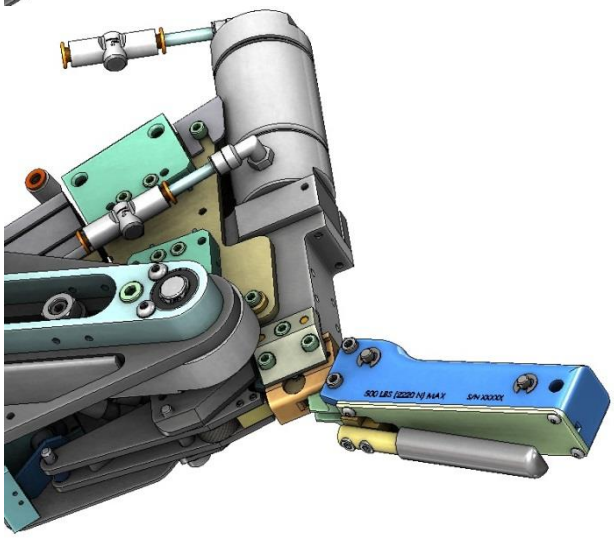
User instructions







1. Power ON the meter. Wait about 10 minutes for the load cell to warm up.

2. Squeeze the gripper release lever on the Gauge and insert a clean unused test band into the Gauge opening all the way. Let the gripper release lever go and verify that the test band is firmly gripped by tugging on it.

3. Make sure the iCS250DL tool is set to calibration mode.
Insert the other end of the test band into the tool and slide the Gauge into position in the tool head. Make sure the hook on the Gauge is engaged with the holder pin in the tool head.

4. Important:
Engage the tool's tension gripper and apply 400-430 Lbf tension to the test band. Wait about 15 seconds for the readout to stabilize. This procedure stretches the band for accurate stable readout with less downward shifting.

5. Read the iCS250DL-A-100 tool's manual on how to properly apply tension to the Gauge to verify tool tension output.

6. To remove the Gauge:
Reverse jog the tool's gripper until the force drops to zero on the test band. Open the gripper on the tool and unhook / remove the Gauge. Remove the test band from the Gauge while squeezing the handle.

Important:
Do not touch the Gauge or the tool head while calibrating.

Do not actuate the impact or the cut-off functions of the tool while the Gauge is still attached.
Do not disengage the tool's or the Gauge's gripper while the test band is under tension.

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Maintenance

Extended functions:

By default all the access keys on the keypad to various functions have been locked out to prevent accidental changes.
To unlock access to the keypad functions, for example Tare or Units, consult the meter's manual on page 22. It is strongly recommended that the user/operator has full understanding of these functions before making any changes.

Important: The Unit of Measurement of the Tension Gauge must match the Unit of Measurement of the tool's control system. The default Unit of Measurement of the iCS250DL-A-100 and other turnkey standalone iCS tools are Lbf (lb).

Important: The Tare function (set displayed force to zero) must be performed without any load applied to the Gauge and the internal load cell.

Calibration / Recalibration:

The tension Gauge may be returned to ***BAND-IT*** for periodic certification or repair. Each Tension Gauge has its own serial number and certification history. Be sure to send the entire Gauge kit back to ***BAND-IT*** intact for this certification.

Important:
The Gauge and the meter is calibrated together as one unit. Do not disconnect the load cell from the meter.
Provisions for storing them together at all times have been made in the carrying case.
Verify the Gauge's tension accuracy periodically.

For Warranty information visit on line at;

www.band-it-idex.com/en/Technology%20%26%20Resources/Warranty.html

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