



# **Band-Master™ ATS Digital Calibration Kit 601-200 Operating Instructions**





# Band-Master ATS®

The Advanced Termination System for Interconnect Cable Shielding

## GLENAIR 601-200 DIGITAL CALIBRATION GAGE INSTRUCTIONS

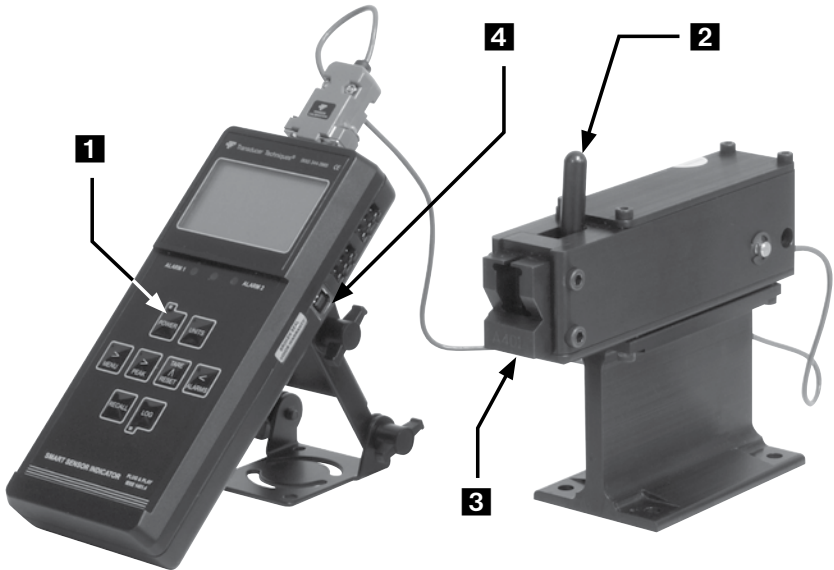
### SPECIFICATIONS:

Range .....	0-500 lb.
Accuracy .....	± 1 lb, Readout 0.1 lb Increments
Dimensions.....	Head Unit: 6.65 X 2.47 X 2.83
.....	Meter: 7.50 X 3.30 X 1.28
Weight, Gauge.....	Head Unit: 4.2 lb
.....	Meter: 0.63 lb.
Weight, Kit.....	9.4 lb.

### 601-200 Kit Contains The Following Additional Items:

1. 4 Test Band Sizes:
  - 601-203 Micro Test Band, Package of 50
  - 601-202 Standard Test Band, Package of 50
  - 601-217 Nano Test Band, Package of 50
  - 601-224 Slim Standard Test Band, Package of 50
2. 601-205 Calibration Adjustment Key
3. 601-218 Tool Adapter for 600-058, 601-100 (Installed) Hand Tools
4. 601-220 Tool Adapter for 600-061, 601-101, 600-068, 601-105, 601-108
5. 601-219 Tool Adapter for 600-067, 601-104
6. 601-223 Tool Adapter for 601-109
7. 601-222 Data Logging Software
  - USB cable, AC adapter, tool instruction booklet, TTI-SSI meter instruction booklet are included in kit

## Standard and Micro Digital Calibration Gage Overview



**1** Tare Button (Reset)

**2** Band Hold Down Lever

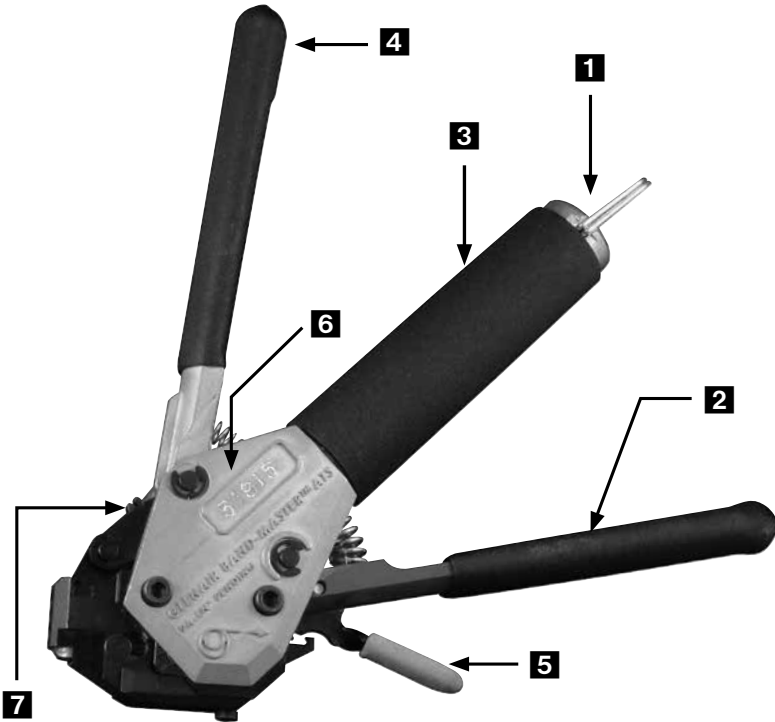
**3** Color Coded Band Tool Adapter

**4** USB Port

### Device Setup and Operation Notes

1. Unit has an internal lithium ion battery, run time is approximately 65 hrs fully charged. To charge unit plug USB cable/charger into 100-240Vac, 50/60Hz with standard two prong charger. Maximum charge time: 8 hours.
2. Secure strain gage tool head to stand for bench or countertop use.
3. OR use device as a hand held unit without fixture.
4. Refer to page 7-9 of TTI-SSI meter manual for basic meter operation.
5. Release tension by correct use of "Band Tension Release Lever", step 7.
6. **DO NOT CUT BAND UNDER TENSION FOR ANY REASON**, damage to the strain gauge may result.
7. Digital records can be maintained by using the supplied USB port and cable with PC or laptop. Data Tracking Software is included with the 601-200 kit.

## BandMaster™ ATS Tool Overview



**1** Calibration Access Plug (See Note 3)

**2** Tensioning Lever:  
Squeeze with short gentle strokes to tighten band to the proper tension. Lever will lock to **3** Handle with final full stroke.

**4** Cut-Off Lever:  
Squeeze to lock band buckle and trim excess band material.

**5** Band Insertion and Release Lever:  
Depress lever to insert or release band from tool.

**6** Serial Number

**7** Tension Release Lever

**NOTES:**

1. Use only genuine Band-Master™ ATS bands. Other manufacturer's bands may damage tool.
2. Use only .240" wide bands with 601-100 tool and .120" wide bands with 601-101 tool.
3. Use only .240" wide bands with M81306/1A tool and .120" wide bands with M81306/1B tool.
4. Calibrate the standard band tool to 150 ±5 lb and the micro band tool to 80 ±5 lb.

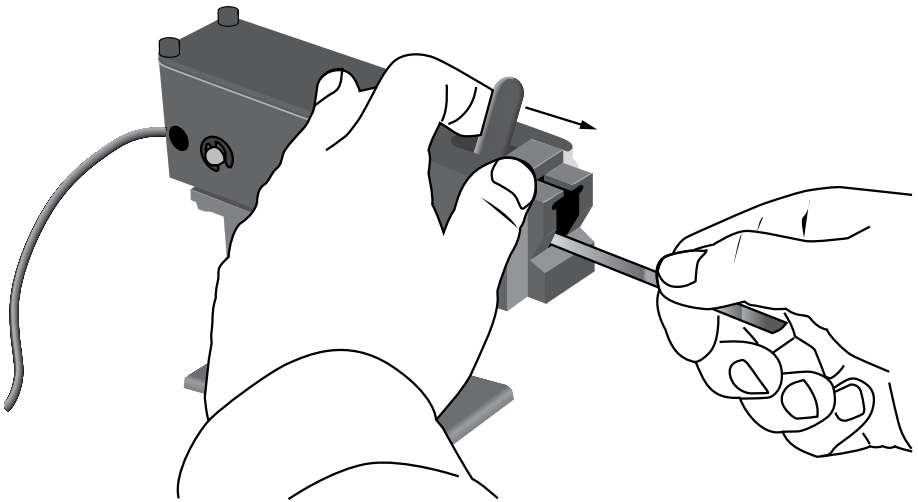
## Operating Instructions:

### Step 1

Attach proper Tool Adapter to match band tool to be calibrated using screws and hex key provided. Note the tool type notation on adapter for correct selection. Note that band tool part numbers are engraved on each interface adapter for correct selection.

### Step 2

Pull the Hold Down Lever **2** forward, on the calibration device and insert the correct size of test band into the Hold Down slot until it stops.



### Step 3

Pull on the test band by hand to ensure it is being securely held by the band hold down

### Step 4

Squeeze the band insertion and release lever **5** on the hand banding tool and insert the other end of the test band into the tool slot.

**Step 5**

Actuate Tensioning Lever **2** on hand banding tool with short strokes until the tool nests into the adapter, pull up a full stroke of the handle until the handle locks in place against tool body. If pneumatic tool is being calibrated, be sure that the Cut-Off Disable switch is in the OFF position.

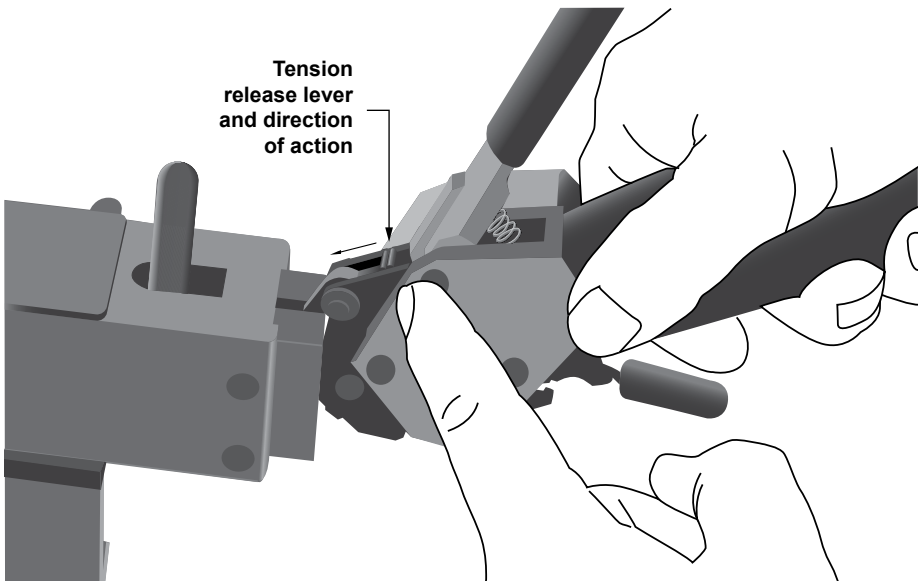
**WARNING:** DO NOT CUT OFF BAND WHILE BAND TOOL IS UNDER TENSION AND BEING CALIBRATED.

**Step 6**

After a 1-3 second count, record tension value from the meter display. Setting up the meter to record peak readings is a suitable method if a physical count to visual record is not preferred.

**Step 7**

Remove the banding tool from the calibration device by holding Tensioning Lever **2** tightly against tool body while pushing the Tension Release Lever **7** forward to unlock the tensioning lever, slowly releasing the tensioning lever to the fully extended position.



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**Step 8**

Remove tool by pulling the Band Hold Down Lever **2** forward on the calibration unit to release band and pull the banding tool away from calibration unit.

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**Step 9**

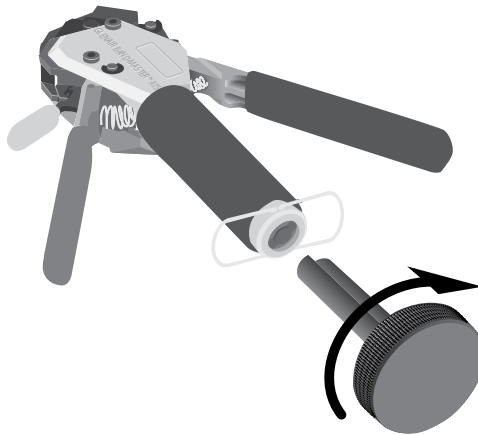
Adjustment of tool is accomplished by inserting the 601-205 (600-055) calibration key into the handle of the tool and turning the adjustment nut. 1 turn is approximately equal to 1-2 pounds of adjustment.

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**Step 10**

The test bands can be repositioned, and steps 3-9 repeated to obtain consecutive test readings.

Note: Some reduction of pull pressure will be noted after tool lockup. This is due to gripper impressions from both grippers digging deeper into the stainless band material while under tension. Readings are best taken immediately after lockup per the average length of time it takes to make a cutoff operation under normal use.



Device re-calibration can be performed using standard tension gauge procedures for load cell re-calibration. SLOW pull speeds are critical to obtain interim readings; full travel of the strain gauge element is extremely small. Adjustments can be made via the digital readout per the instruction book supplied for the meter included with the kit.

Each calibration device and load cell can be maintained via attached serial numbers.