

PT-4000 Specifications

- Measuring Range:**
0-110 lbs. (0-500 N)
- Units of Measure:**
N, kp, lbs.
- Display:**
6-digit LCD
- Tolerance:**
±0.2% of maximum force
- Maximum Stroke:**
1.69" (43mm)
- Pull Rate:**
1", 2", 4", full speed about 6" per minute max. (150mm per minute)
- Pulling Mode:**
Pull + Break: Normal pull test until wire breaks (can display real-time force or break off force)
- Size:**
5" x 3.5" x 15" (130 x 90 x 380mm)
- Weight:**
14 lbs. (6kg)
- Power:**
120VAC

CIRRIS[®]

Systems Corp.

PT-4000 Crimp Pull Tester

User Guide

2.1



See our Virtual Demo at www.cirris.com/crimppull.html

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The Cirris PT-4000 pull-tester provides a fast and easy way to test crimp strength. The adjustable speed motor gives you consistent pulls every time at 1", 2" or 4". The tester can measure from 0 to 110lbs (0-500N). The measurement display can be set from pounds, Newton's, or kiloponds.

Measurement Setting:


Select the unit of measure from Pounds, Newton's, or kiloponds: First, you must turn off the tester. Second, using the small switch on the underside of the device (Shown below) set the desired unit of measure. Third, turn the tester back on and verify that the unit of measure is correct.



To begin testing:

1. Switch on the tester by pressing the “ON/C” button  in the reverse direction
2. Press and hold the motor button  (arrow towards you) until the test-head wheel is returned to the start position.
3. Secure the wire, or device under test, by inserting the crimp in the proper size crimp slot on the test head wheel. Push the lever on the gripper wheel to open. Insert the wire between the grippers. Close the gripper wheels. If the wire slips while testing, you can loop it around one of the gripper wheels.



4. Zero out the display by holding the  button until the value no longer changes and a result shown on the display.

5. Press and hold the  motor button until the crimped-contact is pulled from the wire/device under test.

6. The Maximum Peak Force will show in the display.



- The display is set to automatically show the Max. Peak Force Value (a single reading) If you would like to watch the values as the tester pulls, push “PEAK” once, it now switches to real-time mode. Push “PEAK” again to change back to the Max Peak Force reading.

7. Remove the wire/device under test and the broken terminal.

CAUTION! Avoid over-loading the device by testing cables that require more than 110lbs (500N) of pull force. When the machine is overloaded it will stop and you will hear a beep.