

Tensile Testing Breaks Out Of The Lab...



It is only natural that the company, which is known throughout the world for quality wire termination tools and equipment would add the very best portable tensile tester to meet your need for fewer sources and improved support through a wider range of capabilities. The HPT-200 hand held pull tester combines the accuracy and rugged design of our other Alphasatron pull testers into a portable battery powered unit. We follow that up with our expert factory service and calibration.

This lightweight self-contained tester extends your testing capability to the shop floor. You no longer have to wait for process samples to arrive in the QA Lab. Costly problems can be identified on the spot.

Durable construction and the convenient carrying case ensure protection, and the patented Low Stress Tensioning Mechanism makes the HPT-200 versatile and easy to use. The pull strength value is pre-set at the factory to display pounds, kilograms, or newtons. The calibration may be verified at any time during use by a simple R-Cal test.

The Power Management Circuit allows use during charging.

Alphasatron, by DMC, introduces a new portable tensile tester capable of pull testing wire crimps up to 200 pounds (and size 10 AWG in most cases). The Alphasatron HPT-200 is a complete system, contained in a protective carrying case with contoured pockets for the meter case, the hand-held test fixture, and the battery charger.

FEATURES:

- Built-in NIMH Battery, With Charger
- 14 Hours of Use on a Single Charge
- Portable. Lightweight & Ergonomic
- Patented Low Stress Tensioning Mechanism
- Protective Carrying Case
- Verify Calibration Anytime
- Accuracy: \pm (0.5% of Full Scale)
- Resolution: (0.1 Pounds.)
- Optional Display in Newtons or Kilograms
- Optional 220 VAC, 50 Hz



Protective Carrying Case: Part No. HPT-200
Includes Protective Carrying Case and Battery Charger

HPT-200

PORTABLE TENSILE TESTER



**DANIELS
MANUFACTURING
CORPORATION**

Specifications:

Capacity: 200LBF 90.7 kg 889N

Accuracy: $\pm .5\%$ of full scale

Resolution: .1 lbf

Display Type: Digital display w/peak hold reading

Display: LCD w/.56" high digits

Electrical: 115 VAC 50/60 Hz or 12 VDC Int. Battery

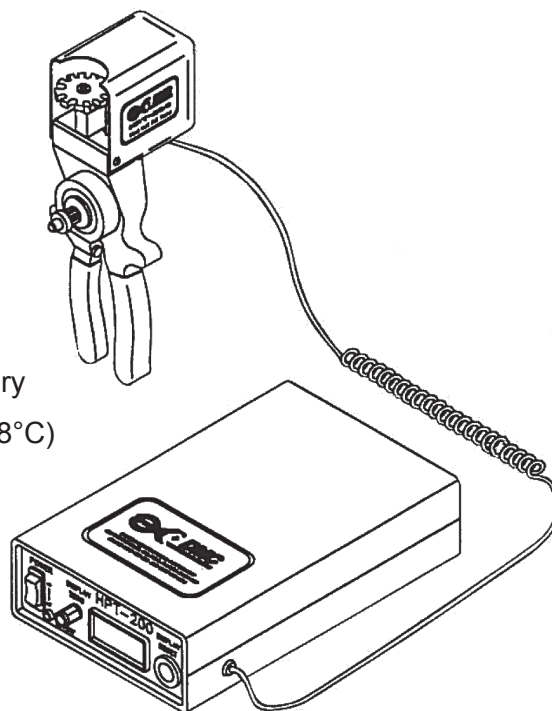
Operating Temperature: 50°F to 100°F (10°C to 38°C)

Height: 2 in. (5.08 cm) case

Width: 9.5 in. (24.13 cm) case

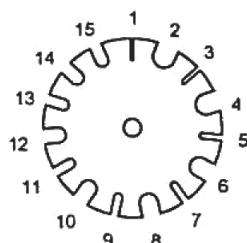
Depth: 6.25 in. (15.87 cm) case

Weight: 2.5 lbs (1.13 kg) case and hand unit



UPPER GRIP

Standard Terminal Grip



| SLOT DIMENSION | | | |
|----------------|------------|-----|------------|
| No. | Size (in.) | No. | Size (in.) |
| 1 | .031 | 9 | .094 |
| 2 | .250 | 10 | .188 |
| 3 | .047 | 11 | .110 |
| 4 | .236 | 12 | .172 |
| 5 | .063 | 13 | .125 |
| 6 | .218 | 14 | .158 |
| 7 | .080 | 15 | .141 |
| 8 | .203 | | |

Minimum Tensile Strength Requirements

| Wire Size (AWG) | Per MIL-T-7928 (lbs.) | Per UL 486 (lbs.) |
|-----------------|-----------------------|-------------------|
| 26 | 7 | - |
| 24 | 10 | - |
| 22 | 15 | 8 |
| 20 | 19 | 13 |
| 18 | 38 | 20 |
| 16 | 50 | 30 |
| 14 | 70 | 50 |
| 12 | 110 | 70 |
| 10 | 150 | 80 |