Wire-breaking-point value measured easily and accurately

Automatic Pull Tester

APT1000, APT500, APT250

Automatic pull force tester for crimped cables

- Max measurements (three types)
  - 245N(25Kg)
  - 490N(50Kg)
  - 980N(100Kg)

- Resolution
  0.1N

- Pull speeds (three types)
  - 25 to 50mm/min
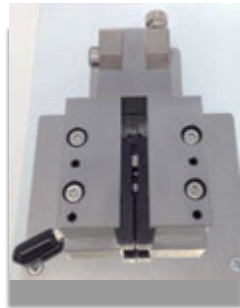 - 50 to 100mm/min
  - 100 to 200mm/min

- The motor pulls a cable at programmed stable speed. This pull tester series measures the load at the time when a crimped terminal is disconnected from a wire or the stripped wire part is broken.
- This series allows anybody to measure the pull force of crimped cables accurately.
- The terminal clamper firmly holds various terminals: box type, tab type, pin type and others.
- The cable clamper accommodates the wire thicknesses from the thin (0.13sq) to the thick (5sq).
- Compact, small footprint
- Data storage is available on PC through RS232C port.

The measurement starts by pushing "START"

- The cable clamper pulls back the cable by automatically going back itself.
- It stops automatically when it detects wire breakage. The display indicates immediately the peak load value of its pull test.
- After measurement, by pushing "ENTER", the cable clamper goes back to the home position.

TRUESOLTEC CO., LTD.
100% Quality Inspection
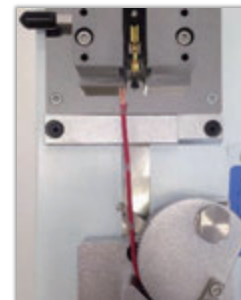
Terminal clamper

- The terminal clamper opens to max. 8mm.
- You have only to push up the clamper open lever and hold the terminal lightly in order to clamp it. You do not need to care for terminal form, terminal orientation.
- The clamper is made of wedge-shape fixtures. This structure applies very high clamping force onto the terminal.
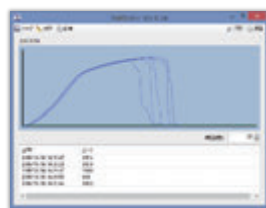
Cable clamper

- Put the cable between the roller and clamp base and push "START", and the cable is automatically clamped.
- The cable can be clamped if it is 80mm long or longer.
- This clamper has a structure where its clamping force becomes bigger by pulling the terminal clamper.
- This clamper accommodates wire thicknesses from 0.13sq to 5sq.
  "Open/Close lever" is optional.

Cable clamper

When the cable clamper goes back, the roller closes automatically and holds the cable. When the clamper goes back to the home position, the roller opens and release the cable.

The cable is being set.

The cable is being pulled.

Graph and data are available.

- You can present pull force changes from the start to the breakage in graphical form by utilizing the PC software designed for this product.
- The result data can be automatically output in Excel format.
  RS232C cable is not included in the standard accessory.

Model	APT250	APT500	APT1000
Capacity	245N(25Kg)	490N(50Kg)	980N(100Kg)
Speed range (for all models)	-50(25 to 50mm/min) -100(50 to 100mm/min) -200(100 to 200mm/min)		
Pull stroke	48mm		
Resolution	0.1N		
Measurement unit	N / Kg / lb		
Power supply and power consumption	AC100-240V / 19.2W		
Data output	Analog voltage output, RS232C communication		
Dimensions	W180×D285×H170		
Weight	Approx. 11Kg		