ESCORT

DIGITAL TENSION METER

MECHANICAL TOOLS & EQUIPMENTS

DTE-series

Handheld digital tension meter is a portable electronic digital measuring instrument. It can measure the tension force of filamentou, linear material, widely used in wire and cable, tensile chemical fiber ,metal wire, carbon fiber and other industries. It can measure the tension force and process data accurately.

Features

- The three working mode: real-time, hold and peak. The three mode can be switch into each other.
- The unit of measurement are cN, gf, OZ, Kgf, N, lb can be set.
- Accuracy is 0.5% of full scale.
- It can measure the tension of 10 different materials accurately.
- With USB communication function.
- Easy to store, can store 41 group data.

(Back side)

DTE-series

DTE-series display

DTE-series with package

Ordering Information

Standard Accessories:

- User Manual
- Certificated
- Inspection certificate
- Hard carry case
- USB data cable
- 12V charger (bighead)
- Online software (CD)

DTE-100N with software

MODEL	DTE-200cN	DTE-500cN	DTE-1000cN	DTE-2000cN	DTE-2500cN	DTE-5000cN	DTE-100N
Tension range	4 ~ 200.0 cN	10 ~ 500.0 cN	20 ~ 1000 cN	40 ~ 2000 cN	50 ~ 2500 cN	100 ~ 5000 cN	2 ~ 100 N
* Measuring head witdth (mm.)	65	65	65	65	116	116	116
** Calibration material textile PA monofilament	φ0.12mm.	φ0.20 ~ 0.40mm.	φ0.40 ~ 0.70mm.	φ0.40 ~ 0.70mm.	φ0.40 ~ 0.70mm.	φ0.60 ~ 1.20mm.	φ0.80 ~ 1.40mm.
Size (mm.)				270*118*55			
Net weight (g)				About 640g			
Power supply				3.7V lithium battery*2			

Description:
* : Depending on the model, the width of the lead frame and the distance between the outside of the two guide wheels are also different.
** : The company's calibration materials are suitable for 95% tension measurement. PA=Polyamide monofilament. If the diameter, hardness and shape of the material to be tested are significantly different from the calibration materials of the company, it is recommended that the customer provide 5 meters of the tested material for calibration.

International tension unit:
1CN = 1.02g = 0.01N
100N = 10.2kg = 10000cN