

Five different wires can be measured with single unit.

The unit can measure standard wires; 1.String 2. Steel 3.Copper, and 2 other sample wires. The change-over can be made by the combination of set switch, wire type selector switch, or field adjustment switch.

The highest accuracy $\pm 1\%$ can be achieved. Max. min. peak, the last values are stored automatically.

*100 data can be stored with DTMX.

Update time can be selected.

Either 0.5,1,2,4 sec.can be selected. To stabilize the display, this function is valuable.(Before shipment, at factory, 1 sec. is preset.)

Aluminum bodycasing, resitant to shock and static electricity.Selection of various models.

From 200gf or less up to 20kgf; tension measurement is covered with the new series. Each model is available in types; standard and high function type.

Special specifications

1.Calibration for other than wire materials;tape,film. For other material than wires, flat rollers as shown can be built in and special calibration can be provided at factory.

2.No wire guide

Please specify if wire guide is not necessary.



Specifications

Model	DTMX-0.2 DTMB-0.2	DTMX-0.5 DTMB-0.5	DTMX-1 DTMB-1	DTMX-2 DTMB-2
Capacity	196.1cN(200.0gf)	490.3cN (500.0gf)	981cN(1000gf)	1961cN(2000gf)
Measuring range	0.0 ~ 200.0 c N	1.0 ~ 500.0cN	100 ~ 1000cN	200 ~ 2000cN

String(TEX)	1000deniel or smaller(or $\phi 0.15$ dia. or smaller)	$\phi 0.05 \sim \phi 0.25$	$\phi 0.1 \sim \phi 0.4$	$\phi 0.3 \sim \phi 0.7$
Steel(WIRE)	$\phi 0.08$ or smaller	$\phi 0.01 \sim \phi 0.15$	$\phi 0.05 \sim \phi 0.25$	$\phi 0.15 \sim \phi 0.4$
Copper	$\phi 0.15$ or smaller	$\phi 0.05 \sim \phi 0.25$	$\phi 0.1 \sim \phi 0.4$	$\phi 0.3 \sim \phi 0.6$
Roller span	38mm			
Accuracy	$\pm 1\%$ R.C.		$\pm 1.5\%$ R.C.	
Update time	0.5,1,2,4 sec. Selectable			
Memory	DTMX...Last,Max.,Min.,Peak 100 readings DTMB...Last,Max.,Min.,Peak readings			
Max.speed	1000m/min.			
Field adjustment	Max. $\pm 10.5\%$ of reading/notch $\pm 1.5\%$			
Display	4 digit large LCD (Character height 11.5mm)			
Output signal (DTMX only)	Analog output	0 ~ 1 Vdc (0 ~ Ratings), (D/A output, Transfer time Approx. 16m sec 3000 bit)		
	Digital output	RS-232C or Digimatic output selectable		
Dimensions	76mm(W) \times 48mm(D) \times 274mm(L)			
Wire guide	65mm			
Weight	Approx.650g			
Power	AA \times 4(Alkaline battery:Continuous 20 hours.),AC Adapter(Option)			
Operating temperature	0 ~ 45°C 90%RH or less			
Accessories	Alkaline batteries (4 pcs.) Carrying case(1 pce.)			
Major applications	<ul style="list-style-type: none"> • Elastic string • Gold & Silver metal string of $\phi 0.15$ or smaller • Coated optical fibre • Synthetic fibre wire winder 	<ul style="list-style-type: none"> • Optical fibre binder • Corbon fobre binder • Copper wire binder • Steel wire binder 	<ul style="list-style-type: none"> • Alamedo fibre capacitor • Food film Brass wire of up to $\phi 0.3$ • Copper coil • Magnetic tape 	<ul style="list-style-type: none"> • Carbon fibre • Steel wire of up to $\phi 0.1$ • Copper filament of (W20\times0.1t.) • Tire cable
Model	DTMX-2.5B DTMB-2.5B	DTMX-5B DTMB-5B	DTMX-10B DTMB-10B	DTMX-20B DTMB-20B
Capacity	2452cN (2500gf)	4903cN(5000gf)	9.81daN (10.00kgf)	19.61daN (20.00kgf)
Measuring range	250 ~ 2500cN	500 ~ 5000cN	1.00 ~ 10.00daN	2.00 ~ 20.00daN
String(TEX)	$\phi 0.3 \sim \phi 0.7$	$\phi 0.5 \sim \phi 1.2$	$\phi 0.7 \sim \phi 1.4$	Customer's wires
Steel(WIRE)	$\phi 0.15 \sim \phi 0.4$	$\phi 0.3 \sim \phi 0.7$	$\phi 0.4 \sim \phi 0.8$	(Custom
Copper	$\phi 0.3 \sim \phi 0.6$	$\phi 0.4 \sim \phi 1.0$	$\phi 0.7 \sim \phi 1.2$	Calibration)
Roller span	100mm			150mm \cdot 200mm
Accuracy	$\pm 1.5\%$ R.C.			
Update time	0.5,1,2,4 sec. Selectable			
Memory	DTMX...Last,Max.,Min.,Peak 100 readings DTMB...Last,Max.,Min.,Peak readings			
Max.speed	1000m/min.			

Field adjustment	Max.±10.5% of reading/notch ±1.5%		
Display	4 digit large LCD (Character height 11.5mm)		
Output signal (DTMX only)	Analog output	0 ~ 1 Vdc (0 ~ Ratings), (D/A output, Transfer time Approx. 16m sec 3000 bit)	
	Digital output	RS-232C or Digimatic output selectable	
Dimensions	76mm(W)×48mm(D)×274mm(L)		
Wire guide	65mm		
Weight	Approx.700g		
Power	AA×4(Alkaline battery:Continuous 20 hours.),AC Adapter(Option)		
Operating temperature	0 ~ 45°C 90%RH or less		
Accessories	Alkaline batteries (4 pcs.) Carrying case(1 pce.)		
	· Material of small bending angle.	· Tungsten wire of φ0.8mm or smaller	· Customer's wires
Major applications	· Steel wire for OA (Copying machine printer, etc)	· Carbon fibre · Roll scale(100mm width×0.05thick)	· Flat and timing belt of up to 15mm width