



Tension meters

TM330



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Easy tension settings that can be used immediately

Operation status can be known in real time due to additional communication function

Our new TM330 tension meter is compatible with Nireco's entire line-up of tension sensors (MB, MG, MC, CD, MJ and CJ) and displays their tension readings.

The display range is from 0 to 10 kN (1,000 x 10 N). The tension signal output (0 to 10 V (0 to 5 V), or 4 to 20 mA) can be output to a sequencer, indicator, recorder or other device. By using the new communications function (RS485), the tension meter can be linked to a PC or other receiver, so that the operating state of the equipment can be monitored remotely.

This can be used as a successor to the tension meter TM210.

Feature

Enhanced operability through digital processing

When initializing, various parameters can be set via a dialogue system.

Auto-zero control function

Zeroing the sensor can be done at the touch of a button.

Correction functions

Auto-zero, auto-span and other adjustment functions can easily be made.

Telecommunications function

The TM330T's telecommunications function (RS-485) enables connection to a PC to allow remote monitoring.

Specifications

Power source voltage	TM300 - DC : DC24V TM300 - AC : AC100 : 240V 50/60Hz
Power consumption	25VA
Ambient temperature operating range	0~+50℃
Ambient humidity	80% or less (no condensation)
Sensor power supply	+6V、±15V
Input	2 inputs: Any Nireco sensor from the MB, MG, MC, CD, T0, MJ or CJ series
Output	Voltage output: 4 outputs: for control, for recording (No. 1, No. 2, Total) Current outputs: 2 outputs.. for control (4 to 20 mA) and for an indicator (1 mA)
Warning output	2 tension upper limits or left and right tension comparisons, lower limit warning outputs
Communications function	RS485 (2 line half duplex, 9600 bps independent protocol) (Transmit the tension value to host)
Installation	Panel mounting
External dimensions	(W)48×(H)96×(D)150
Mass	0.4kg