



Tension Meter

TM310T

Our new TM310T tension meter is compatible with Nireco's entire line-up of tension sensors (MB, MG, MC, CD, TSA, MJ, 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.

Features

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

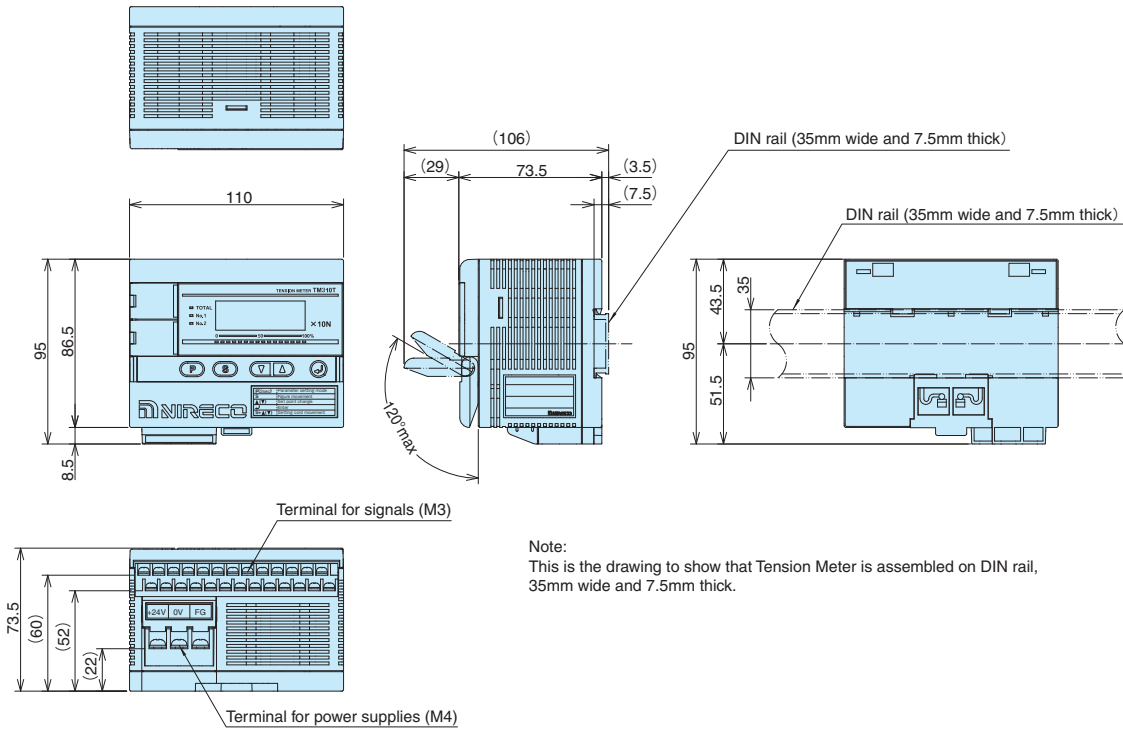
Auto-zero, auto-span and other adjustment functions can easily be made.

Communications function

The TM310T's communication function (RS-485) enables connection to a PC to allow remote monitoring.

Easy tension settings that can be used immediately
Operation status can be known in real time
due to additional communication function

External dimensions



Specifications

Power source voltage	TM310T - DC : DC24V TM310T - AC : AC100 to 240V 50/60Hz
Power consumption	25VA
Ambient temperature operating range	0 to +50°C
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, TSA, Intrinsically safe TSA, MJ or CJ series
Output	Voltage output: 4 outputs: for control, for recording (No. 1, No. 2, Total) Current outputs: 2 outputs: for control and for an indicator
Warning output	2 tension upper limits or left and right tension comparisons, lower limit warning outputs
Telecommunications function	RS485 (2 line half duplex, 9600 bps independent protocol)
Installation	Attached to the DIN rail
External dimensions	(W)110×(H)90×(D)70.5
Mass	1.2kg

We reserve the right to change the specifications in this catalog without prior notice to improve and update our products.