

15. Specifications

Compatible sensors		Strain gauge transducer
Signal input terminals		Round connector (NDIS7P)/terminal bank (connect only one at a time)
Excitation Voltage		DC, 2.5 V \pm 5% (30mA maximum current)
Signal input range		\pm 5 mV/V
Equivalent input/ TEDS	Calibration range	0.3 mV/V – 5.0 mV/V
	Calibration precision	Within 0.1% F.S. (when using a 1m standard TEAC Φ 8, 6-core shielded cable with 350 Ω impedance, when 5mV/V)
Precision	Nonlinearity	Within 0.01% F.S. + 1 digit (when 5mV/V)
	Zero drift	Within 0.5 μ V/ $^{\circ}$ C (input conversion value)
	Gain drift	0.005%/ $^{\circ}$ C or less
A/D conversion		1000 times/second, 24-bit
Digital filter		Moving average (select from OFF, 16, 32, 64, 128, 256, 512, 1024, 2048)
D/A output	Output connector	BNC
	Output voltage	\pm 2.0V
	Resolution	70.16 μ V typ
	Nonlinearity	0.02% F.S. or less
	Zero drift	0.1 mV/ $^{\circ}$ C or less
	Gain drift	0.003%/ $^{\circ}$ C or less
TEDS function		IEEE1451.4 class 2 mix mode interface
Display	Display	2.4" color TFT LCD
	Display modes	Setting screens, indicator value digital display, graph display, recorded data list display, static strain display
	Languages	Japanese/English
Indicator value	Display range	–99999 to 99999
	Decimal point	Display position selectable
Displayed items	Calibration settings	Zero calibration/span calibration (TEDS calibration, actual load calibration, equivalent input calibration)
	Function settings	High limit, low limit, comparison mode, hysteresis, nearly zero, moving average, motion detect, zero tracking, digital zero, digital zero offset, zone definition, hold mode, control lock, minimum grid, digital zero limit, clear digital zero, select data output, D/A converter
Hold functions		Sample hold, peak hold, bottom hold, zone definition hold (peak, bottom)
Data recording	Indicator value	300 maximum Recorded contents: ID number, date and time, recording mode, sensor value memory number, indicator value
	Graph recording	8 maximum Recorded contents: ID number, date and time, sensor value memory number, trigger mode, graph waveform
Power supply		4 alkaline or NiMH AA batteries USB bus power (built-in Micro-USB B connector)
Operating temperature range		0 $^{\circ}$ to 40 $^{\circ}$ C
Storage temperature range		–20 $^{\circ}$ to 60 $^{\circ}$ C
Operating humidity range		85% RH or less (without condensation)
Applicable standards		CE marking, VCCI (Class A), FCC (Class A)
External dimensions (W x H x D)		Approximately 85 mm x 140 mm x 35 mm (without protrusions)
Weight		About 320 g (including batteries)

- o Specifications and appearance are subject to change without notice.
- o Weight and dimensions are approximate.
- o Illustrations in this owner's manual might differ slightly from production models.