

Type 300 Handheld Indicator

Needles Building, Trinity Wharf, East Cowes, Isle of Wight, PO32 6RF

T: +44 (0) 1983 28 28 34 F: +44 (0) 1983 28 28 35 E: web@datum-electronics.co.uk W: datum-electronics.co.uk

Type 300 Digital Torque/Load Indicator

DESCRIPTION

Type 300 Digital Torque Indicator is suitable for use with all full bridge sensors including Load Cells, Torque Transducers and Pressure Transducers. It provides a clear large LED display of the torque and scales its signal to display in the required units. A simple set-up menu operated from the keypad has clearly displayed prompts. Alternatively it can be set-up through its RS232 port using a computer and the simple Windows facility.

With dual function RS232 port the main port allows full communication with the display for both set-up and downloading data to other systems, the second port provides an output to a serial printer. The analogue output (torque) is 0-10VDC and 4-20mA.

The Type 300 indicators are issued with a calibration certificate which adhere to the British Industry Standard BS7882:1997. All products manufactured by Datum Electronics are guaranteed for a period of 12 months.



TYPE 300 INDICATOR

Weight, Torque, Strain, Pressure Indicator
Engineering Units Display
6-wire Sensor Input
RS232 Output
Peak Hold
Dual Trip Output
Analogue Output option available

SPECIFICATION

Torque Transducer Input	4 or 6 wire to a full bridge torque transducer with a bridge resistance 120-1200 ohms
Strain Input	See Adapter Unit 331 for 1/4 and 1/2 bridge connections
Accuracy	1:4000 in 2mV/V~
Display	5 digits plus units (Nm, lbft, N, T, lb, kg)
Display Resolution	1:100,000 (0-99,999 display)
Peak Hold Accuracy	1% FSD
Peak Hold Time Resolution	<1/100 Seconds
Trips	2 independent change-over contacts rated to 1A at 24VDC operate on Torque Data
Serial Output	RS232
Analogue Output	(Torque) 0-10VDC and 4-20mA
Operational Temperature Range	0 to 50 degree centigrade
Storage Temperature Range	-20 to +80 degree centigrade
Environmental Protection	IP54
Calibration	Zero push button to memory. Full scale as mV/V from menu
Power Supply	15VDC mains adapter supplied
Printer Output	RS232 (as factory fitted option)
Enclosure	Desktop 225mm x 200mm x 80mm

CONNECTIONS

Transducer	7 pin socket 2metre 6-core cable and plug supplied
Trips	6 pin plug 2metre 6-core cable and socket supplied
RS232	9 pin D type socket 2 metre cable supplied with 9-25 pin adaptor
Printer	Requires printer option cable (not standard)
Analogue Output	3 pin socket, 2metre 2-core cable supplied