

TR100

Intelligent Loadmeter

- ◆ Rugged weather sealed case
- ◆ Storage for 2 input calibrations
- ◆ Tactile keypad
- ◆ Auto calibration and tare
- ◆ Peak and valley hold



The TR100 loadmeter is a completely portable, precision instrument packaged in a small hand held IP65 enclosure, weighing only 260g.

The design is based upon the highly successful TR200 and offers the main features of that instrument at a lower price. This has been achieved by reducing the range of available options.

The loadmeter is easy to use with only four external keys for the operator, setting up and calibration is carried out using five internal keys that are not accessible to the operator. This reduces the risk of unauthorised changes to the calibration.

Two totally independent ranges are available so the meter can be calibrated to be used with two different loadcells or for two different force/weight units with the same loadcell. The selected range is indicated by panel mounted LEDs.

This loadmeter can be used with any of our loadcells. Details of our loadcell families can be found in the Loadcell Specifier Guide. If you require a copy please contact our sales department or look on our web site at www.novatechuk.demon.co.uk.

TR100 Specification

Keypad	Tactile with rim embossed keys
Power source	9V PP3 alkaline battery, access from a sealed compartment
Battery life	20 hrs with one 350 Ω loadcell - low battery indication
Bridge supply	5Vdc fixed
Bridge resistance	85 Ω minimum (4 x 350 Ω loadcells)
Span	0.6 to 4.6 mV/V at full scale
Calibration check	Internal shunt resistor (standard value 100k)
Calibration	Via internal keys with anti-tamper lockout
Tare	100% of full range
Accuracy	$\pm 0.02\% \pm 2$ digits at full range
Resolution	1:19999
Display	4½ digit 10mm high LCD
Least significant digit	Count by 1, 5 or 10
Peak and valley hold	500mS peak and valley capture
Digital filtering	0.5 to 5 seconds (4 ranges)
Zero tracking	Active on ± 3 LSD
Operating temperature	-10 to 50°C
Thermal drift	100 ppm/°C
Input connector	5 pin Binder socket- mating plug supplied
Case	ABS off-white sealed to IP65
Size	152 x 83 x 35 mm
Weight	260g approx

Options

-CA Black leather case

If the TR100 does not have all the functions you require the TR200/2 may be more suitable. Please ask our Sales department for a TR200/2 data sheet.

When the TR100 is purchased with a loadcell the loadmeter will be calibrated with appropriate scaling for use with the loadcell.



This product complies with the requirements of the European EMC directive.

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