

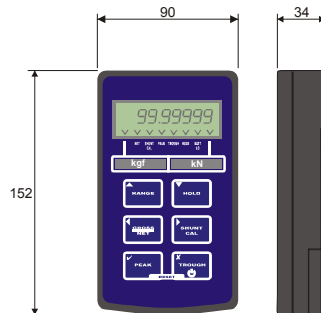
# TR150 HAND HELD METER



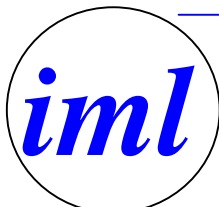
## Specifications

<b>Performance</b>	Input Type:	Strain Gauge Full Bridge Sensors
	Input Range:	Up $\pm 5\text{mV/V}$ ( $\pm 50\text{mV/V}$ can be supplied, with factory set option)
	Non Linearity:	$\pm 0.005\%$ FSD
	Thermal Drift:	$< 5 \text{ ppm}/^\circ\text{C}$
	Excitation Voltage:	5Vdc ( $\pm 4\%$ ), 59mA maximum current
	Minimum Bridge Resistance:	85 $\Omega$ (4off 350 $\Omega$ sensors in parallel)
	Internal Battery:	2off AA size alkaline, access via sealed rear compartment
	Battery Life:	45 hours (Typical 450 hours in low power mode), with 350 $\Omega$ sensor
<b>Indication</b>	Update Rate:	Up to 40mS (can be set in configuration menu)
	Display Type:	7 digit LCD display, 8.8mm high digits
	Display Resolution:	1 part in 250,000 at 1Hz update rate 1 part in 65,000 at 10Hz update rate
<b>Control Variables</b>	Annunciators:	Low Battery warning; peak; trough; hold; net; shunt cal; range
	Front Panel User Keys:	Tactile Keys with recessed rims for:- ON/OFF Switches TR150 power on/off RANGE Selects between two ranges HOLD Hold the current display value, press again to release GROSS/NET Zero's display ( $\pm 100\%$ range) SHUNT CAL Generates simulated input for indicator testing PEAK Enables peak hold TROUGH Enables valley/trough hold
	Settable Parameters:	Tare/Zero value; display resolution/decimal point position; display update rate; low power mode; auto power off;
	<b>Mechanical</b>	Electrical Connection:
<b>Environmental</b>	Physical Size:	See drawing below
	Weight:	260 grams
	Legends:	Insert legends for engineering unit identification (supplied)
	Operating Temperature:	$-10^\circ\text{C}$ to $+50^\circ\text{C}$
<b>Environmental</b>	Environmental Rating:	IP65 (when mating plug fitted)
	Enclosure Type:	ABS, dark grey (Leather Carry Case Optional)
	Safety/Low Voltage Directive	73/23/EEC amended by 93/68/EEC To IEC 1010-1:1990, EN 61010 – 1 – 1993 89/336/EEC
	EMC Directive	EN 50 081 – 1 : 1992 (Light Industrial)
	Emissions	EN 50 081 – 2 : 1992 (Heavy Industrial) pr EN 50 093 : 1991
	EMC Emissions	EN 50 082 – 1 :1992 (Light Industrial)
		EN 50 082 – 2 :1992 (Heavy Industrial)

## Dimensions



Data sheet TR150/0404 . All dimensions are in mm. Details may change without notice, please ask for confirmation if required



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