

The 7561-PSD is a completely portable strain gauge battery powered indicator, packaged in a small, robust IP65 / NEMA 4 enclosure.

For simplified use, the operator only has access to six keys.

Two separate ranges are available, which enable the instrument to read and display two units of measure.

The menu options offer the ability to tailor the instruments response to the application. Gross, Net, Peak and Trough measurements are easily selected. An annunciator indicates which range has been selected. There is also a window, to insert a legend, describing each range. Once these parameters are set, it provides the user with the simplest of indicators.

FEATURES:

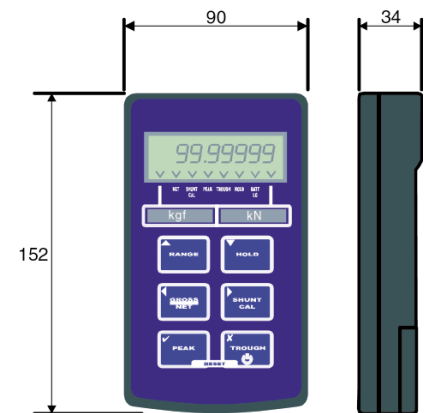
- Powered by 2 x AA internal batteries
- Portable handheld precision instrument weighing only 250g
- Tactile keyboard, with dual range selection, peak/valley hold, gross/net and on/off controls
- Microprocessor based, allowing single pass calibration facility
- Dual range facility
- Accepts an input range of up to 50mV/V
- Environmentally sealed to IP65 / NEMA 4
- 7½ digit LCD display, with battery, peak, trough, net, error and shunt cal indication
- 1 year Warranty
- Auto sleep

Model 7561-PSD Portable Strain Display Load Cell/Force Indicator



Specifications

Performance	Input Type:	Strain Gauge Full Bridge Sensors
	Input Range:	Up to ±5mV/V (±50mV/V can be supplied, with factory set option)
	Non Linearity:	±0.005% FSD
	Thermal Drift:	<25 ppm/°C
	Excitation Voltage:	5Vdc (±4%), 59mA maximum current
	Minimum Bridge Resistance:	85Ω (4off 350Ω 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 350Ω sensor
Indication	Update Rate:	Up to 40 ms (can be set in configuration menu)
	Display Type:	7½ digit LCD display, 8.8mm high digits
	Display Resolution:	1 Part in 250,000 at 1Hz update rate 1 part in 65,000 at 10 Hz update rate
Control Variables	Annunciators:	Low Battery warning; peak, trough; hold; net; shunt cal; range
	Front Panel User Keys:	Tactile Keys with recessed rims for:- ON/OFF/TROUGH Switches 7561-PSD power on/off/displays trough reading RANGE Selects between two ranges PEAK Displays peak reading HOLD Switches Hold on/off GROSS/NET Toggles between gross and net readings SHUNT CAL Puts 7561-PSD in shunt calibration mode (100K resistor)
Mechanical	Settable Parameters:	Tare/Zero value; display resolution/decimal point position; display update rate; low power mode; auto power off
	Electrical Connection:	5 pin Binder socket (mating plug supplied)
	Physical Size:	H (152mm) x W (90mm) x D (34mm)
	Weight:	260 grams
	Legends:	Insert legends for engineering unit identification (supplied)
Environmental	Operating Temperature:	-10°C to +50°C
	Environmental Rating:	IP65 (when mating plug fitted)



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