

The model 3310HHD is a completely portable, hand held, battery powered indicator. Ideal for use as a load cell indicator, strain gauge indicator, force display, weight indicator, weight monitor or load indicator able to drive up to 4 x strain gauge bridges.



FEATURES

- TEDS plug and play capability.
- Handheld 7 digit LCD display with peak, trough, net, overload and shunt cal indication.
- Battery life of 450 hours in power save mode.
- Keys for on/off, range select, peak/valley hold, and gross/net.
- Single pass calibration (direct mV/V) with dual range for values such as kg and lb.
- Easy to carry - weighing only 250 grams.
- Waterproof IP65 NEMA4 battery powered.
- Microprocessor based, allowing single pass calibration facility (direct mV/V).

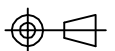
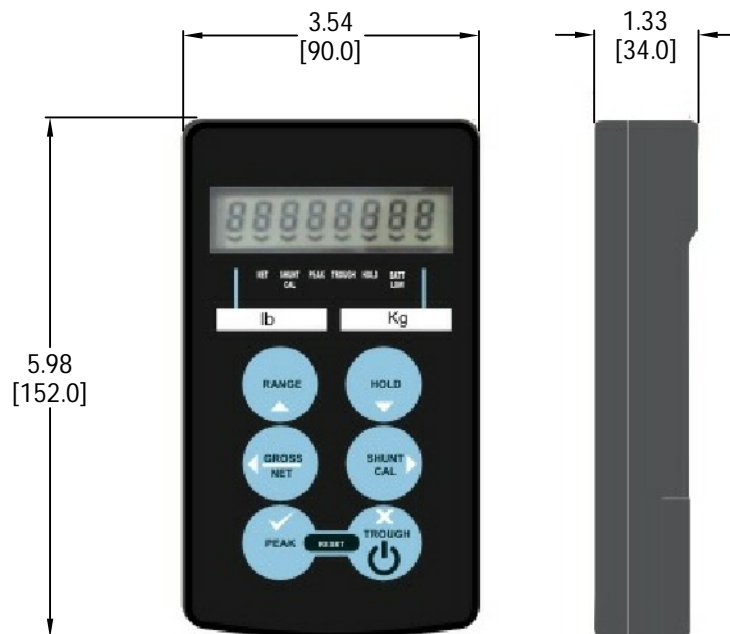
APPLICATIONS

- Load cell indicator, strain gauge indicator, force display, weight indicator, weight monitor or load indicator able to drive up to 4 x strain gauge bridges.

OPTIONS

- RS232 output
- Optional black leather carry case with clear viewing window and shoulder strap.

OUTLINE DIMENSIONS



indicator

3310HHD



* Optional black leather carry case with clear viewing window and shoulder strap



SPECIFICATIONS

Description				
	Min	Typical	Max	Units
Non linearity		0.001	0.005	% FR
Internal resolution		24		Bits
Resolution at 1 Hz sample rate		250,000		Counts /Divisions
Resolution at 10 Hz sample rate		65,000		Counts /Divisions
Temperature effect on zero		0.0002	0.0007	±%/°C/at2.5mV/V
Temperature effect on span		0.0002	0.0005	±%/°C
Offset stability		0.002	0.008	±%FR*
Gain stability		0.003	0.01	% per annum
Excitation voltage	4.8	5	5.2	Vdc
Strain gauge impedance	85	350	5,000	Ohms
Sensitivity full range, setting 1	-5		+5	mV/V
Sensitivity full range, setting 2	-50		+50	mV/V
Performance				
Input Type	Strain Gauge Full Bridge Sensors			
Internal Battery	2 x AA Alkaline, access via sealed rear compartment, please note batteries are not included			
Battery Life	With 350R sensor continuously on 35 hours or up to 450 hrs in low power mode			
Update Rate Strain Gage Full	10mS to 2s Including Peak/Valley Hold capture rate			
Indication				
Display Type	7 digit LCD display, 8.8mm high digits			
Display Resolution	1 part in 250,000 at 1s update			
Annunciators	Low battery warning peak, trough, hold, net, shunt cal, range, by LCD annunciators			
Control Variables				
Front Panel User Keys	Tactile Keys for:- ON/OFF/TROUGH Switches HHD 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 HHD units shunt calibration mode (100k resistor)			
Settable Parameters	Display Resolution Rate 0.5, 1, 3, 10, 25Hz Low power modes			
Calibration	By front panel keypad buttons protected by key sequence			
Environmental				
Storage Temperature	-40 to +65°C (excluding batteries)			
Operating Temperature	-10 to +50°C (excluding batteries)			

Dimensions and specifications subject to change without notice



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