

## HAND HELD DISPLAY FOR STRAIN GAGE BASED TRANSDUCERS

The INDI-PSD is a hand held indicator for load cells, force transducer or torque meters based on strain gage technology.



INDI-PSD

<b>Input signal</b>	Full Wheatstone bridge From 0,1 to 50 mV/V Transducer excitation voltage: 5 VDC (57 mA max.)		
<b>Display</b>	7 digits LCD (height: 8,8 mm) Dual range for 2 different transducers or 2 different scales Sample rate from 0,5 to 25 Hz Measuring units (label to insert) Battery's level		
<b>Functions</b>	Reset (tare) with possibility to recall the gross value Peak and trough memory Hold function Activation of internal calibration shunt (100 k $\Omega$ ) Auto sleep TEDS enable (Transducer Electronic Data Sheet)		
<b>Accuracy</b>			
	Non-linearity	Typical	$\pm 0.001\%$ of full scale
		Maximum	$\pm 0.005\%$ of full scale
	Zero thermal drift	Typical	$\pm 0.0002\%$ of full scale / $^{\circ}\text{C}$ @ 2,5/mV/V
		Maximum	$\pm 0.0007\%$ of full scale / $^{\circ}\text{C}$ @ 2,5/mV/V
	Span thermal drift	Typical	$\pm 0.0002\%$ of rated output / $^{\circ}\text{C}$
		Maximum	$\pm 0.0005\%$ of rated output / $^{\circ}\text{C}$
<b>Resolution</b>	Internal resolution: 24 bits Resolution at 1 Hz sample rate : 250000 pts Resolution at 10 Hz sample rate : 65000 pts		
<b>Temperatures</b>	Service: - 10 $^{\circ}\text{C}$ ... + 50 $^{\circ}\text{C}$ – Storage: - 40...+65 $^{\circ}\text{C}$		
<b>Calibration</b>	By using the tactile keyboard on the front plate		
<b>Power supply</b>	2 x AA alkaline batteries Battery life: 35 h with transducer of 350 $\Omega$ (5000 h. in low power mode)		
<b>Enclosure</b>	ABS 152 x 90 x 34 mm – IP65 / NEMA (with mating plug fitted) With Binder socket for connection with transducer (mating plug supplied) Weight: 0.25 kg		
<b>Options</b>	CASE-PSD	Leather carry case with shoulder strap and clear viewing window	
	BATT-PSD	Rechargeable s batteries + charging unit (230 VAC)	
<b>INDI-PSD232</b>	INDI-PSD + RS-232C output (streaming ASCII for print, remote display or data acquisition)		