

PCM 显示仪表 PSD



产品型号:

PSD

PSD 的手成功显示

PSD 模型:

关键特征:

7 位数的液晶显示器。

双量程的设施。

IP65 密封。

IP 的两 450hrs 电池寿命。

datasheet: PSD 的手成功显示

手册: PSD 手册

这是一个流行的 PSD 的显示器的便携式应变/负载细胞 *packaged* 的指标, 在一个小, 鲁棒 *enclosure*



传感器 | 控制仪表 | 推拉力计 | 扭力计

www.sensortop.cn

IP65 / NEMA 4。这些显示的是用户友好的，所以也有 *several PCM PSD* 指标可从我们租用的股份了。

在两个单独的 *ranges PSD* 的受害者，这使仪器的两个读大学的双单元和显示测量值。为简化运营商使用，有六只访问键。菜单选项“受害者的能力两个裁缝的仪器响应的应用与网络的毛，易峰谷和选定的测量。这是 *indicates* 报警器已经选定的范围。也有一个窗口，插入一个传奇，每个描述的范围。一看到这些参数是用户提供的，它与“*simplest*”指标。

PSD 的冰也显示基于 *TEDS* 传感器自动校准。《冰显示双 *AA* 电池供电的城市提供电力，使用寿命长的节能创新的特点。这是显示在使用冰作为一个负载细胞的指标，应变力的指标，指标显示，轻轻的显示器，或负载指标能够驱动 *4 x* 上的应变计的桥梁。

PSD 的显示与 *enables* 可选 *RS232* 接口的设备连接到电脑（不管多或简单的数据记录器。基于《*psd232*

冰和 *8* 引脚的连接器连接的两个 *allowing* 用户 *cabling* 适当的为他们的应用程序。

在一个详细的产品规格，请下载 *datasheet* 产品。

Typical Specification

PARAMETER	MIN	TYPICAL	MAX	UNITS
Non Linearity	-	0.001	0.005	%FR
Internal Resolution	-	24	-	Bits
Resolution at 1Hz sample rate	-	250,000	-	Counts/Divisions
Resolution at 10Hz sample rate	-	65,000	-	Counts/Divisions
Temperature Effect on Zero	-	0.0002	0.0007	±%FC/°C at 2.5mV/V
Temperature Effect on Span	-	0.0002	0.0005	±%/°C
Offset Stability	-	0.002	0.008	±FR (FROM ORIGINAL OFFSET AT ANY TIME)
Gain Stability	-	0.003	0.01	% per annum
Excitation Voltage	4.8	5	5.2	VDC
Strain Gauge Impedance	85	350	5000	Ω
Sensitivity Full Range - Setting 1	-5	-	+5	mV/V
Sensitivity Full Range - Setting 2	-50	-	+50	mV/V
INPUT TYPE	Strain gauge, full bridge sensors.			
INTERNAL BATTERY	2x AA alkaline, access via sealed rear compartment. BATTERIES NOT INCLUDED.			
BATTERY LIFE	35hrs continuously on with a 350Ω sensor, or up to 450hrs in low power mode.			
UPDATE RATE STRAIN GAUGE FULL	10mS to 2s including Peak/Valley Hold capture rate.			
DISPLAY TYPE	7-digit LCD display, 8.8mm high digits.			

DISPLAY RESOLUTION	1 part in 250,000 at 1s update.
LCD ANNUNCIATORS	Low battery warning, peak, trough, hold, net, shunt calibration and range.
STORAGE TEMPERATURE	-40°C to +65°C (excluding batteries).
OPERATING TEMPERATURE	-10°C to +50°C (excluding batteries).
CE ENVIRONMENTAL APPROVALS	European EMC Directive 2004/1108EC, Low Voltage Directive 2006/95/EC.

Control Variables

The PSD display has tactile keys on the front panel for:

- ON/OFF/TROUGH – Switching the display on/off and shows the trough reading.
- RANGE – To switch between the two ranges (inputs) available.
- PEAK – Displays the peak reading.
- HOLD – Allowing you to hold the figure on screen when pressed, cycles on/off.
- GROSS/NET – Toggles between the gross and net figure readings.
- SHUNT CAL – Places the PSD into shunt calibration mode (100K resistor).

The display also offers user programmable parameters for the display resolution, reading rate (0.5, 1, 3, 10 or 25Hz) and also low power modes.

Calibration of the PSD display is accessible from the front panel, protected by a key sequence. If your display has been set up and calibrated for you, you shouldn't need to access these settings.

Outline Dimensions in millimetres



Ordering Codes

PSD	Strain Gauge or Load Cell Hand Held Display and mating connector.
PSD232	Strain Gauge or Load Cell Hand Held Display with serial RS232 output and mating connector.
TR100-CA	Black leather case with clear viewing window and shoulder strap.