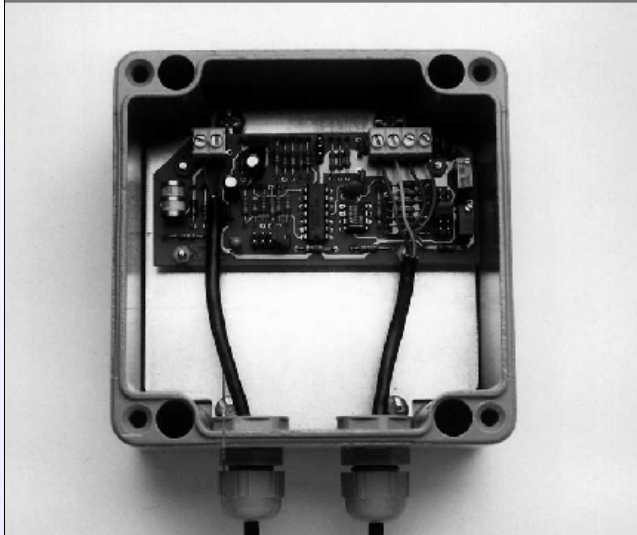


Field Re-Rangeable Remote Pressure/Depth Sensor *Issue - Sept 2003*

TRANSMITTER P999 Series



- **Power Supply 12 to 40 VDC or 110 VAC**
- **Turndown Facility, variable 5:1**
- **Lightning Protection**
- **Sealed to IP65**
- **Robust Construction**
- **Reverse Operation (20-4mA)**
- **Excellent Long Term Stability**
- **Outstanding Performance**
- **3 YEAR WARRANTY**

Options Available

Mounting Backplate, to enable mounting to surfaces from the front of the amplifier

Integrally Mounted Pressure Sensor with Electrical and Media Connections through the Side of the Enclosure.

Can be Supplied Factory Calibrated with a Pressure Sensor

DESCRIPTION

The P999 series 2 wire 4-20mA/20-4mA Transmitters offer great flexibility in their design, providing a 5:1 turndown facility, set using DIL switches. Zero and Span potentiometers are used to give fine adjustment and jumper links used for coarse adjustment.

Manufactured in a robust case, the two halves are sealed using an IP65 seal and four screws. This, together with IP68 sealed cable outlet glands (suitable for accepting cables between Ø6mm and Ø8mm) completes a high integrity waterproof assembly. Internal connections are made using rising clamp screw connectors with additional fixing for the strain relief and screen wires. The electronics are protected against damage from lightning strikes.

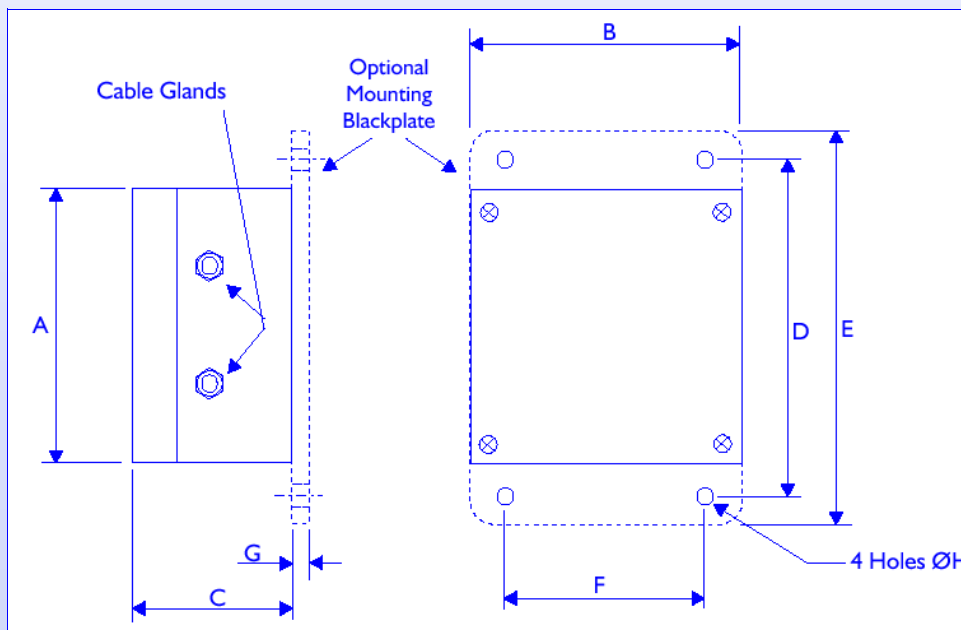
The P999 series is supported with a 3 YearWarranty and offers a rugged construction, excellent long term stability and performance.

Field Re-Rangeable Remote Pressure/Depth Sensor *Issue - Sept 2003*

TRANSMITTER P999 Series

SPECIFICATION

CHARACTERISTICS	P9991	P9992	P9993	P9994	UNITS
Supply Voltage:	12 min/40 max VDC		110 VAC		VDC/VAC
Load Driving Capacity:	15000	1500	15000	1500	Ohms
Transducer Excitation Supply:		2.25			VDC
Output Signal Zero Pressure:		4.00 (20.00)			mA
Full Pressure:		20.00 (4.00)			mA
Electrical Connection:	2 Core Fully Screened Cable				
Lightning Protection:	High Speed Transient Spark Gap Suppressors				
Zero Adjustment:	20 (using 20 turn potentiometer)				±% of Span
Zero Offset:	100 (for reverse operation (20-4mA) - by jumper links)				% of Span
Span Adjustment:	20 (using 20 turn potentiometer)				±% of Output
Span Step Adjustment:	15 and 30 (by jumper links)				±% of Output
Turn Down Facility:	1:1, 2:1, 3:1, 4:1 or 5:1 (selected on DIL switches)				Ratio
Environmental Protection:	IP65 Sealed Enclosure				
Connections:	Using Rising Clamp Screw Connectors				
Cable Entry:	via IP68 Glands with 6-8mm Cable Diameter Capacity				
Weight:	1000				Grams



	P9991 P9992	P9993 P9994
A	120	220
B	120	120
C	80	80
D	150	250
E	180	280
F	82	82
G	6	6
ØH	6.5	6.5

All dimensions
in mm

ORDERING INFORMATION

The Product Code is divided in to parts to assist with ordering, as follows:

e. g. **P9991**

P9991	DC Powered Transmitter for	15,000ohm	Sensor bridges
P9992	DC Powered Transmitter for	1,500ohm	Sensor bridges
P9993	AC Powered Transmitter for	15,000ohm	Sensor bridges
P9994	AC Powered Transmitter for	1,500ohm	Sensor bridges