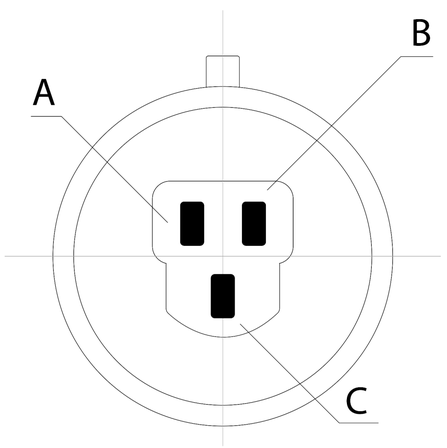
Pressure transducer

Sensor for sensing water pressure at the discharge of a pumping unit or as a pressure switch for an irrigation machine

TECHNICAL DATA SHEET

PARAMETERS	
Pressure range	0-25 bar
Supply voltage	10-30 VDC
Output signal	4 ~ 20 mA
Combined error	1.0 % FS
Overload pressure	150 % FS
Long - term stability	± 0.5 F.S / year
Shock Resistance	20 g, 11 ms half sine
Vibration Resistance	10g, 5 ~ 2000 Hz
Working Temperature	-20 ~ +80 °C
IP rating	IP67
Pressure type	Gauge
Pressure connection type	G1/4
Ambient Temperature	-20°C ~ 85°C
Storage Temperature	-40°C ~ 100°C
Overload Pressure	≥ 150% F.S
Burst Pressure	≥ 200% F.S
Electrical Connection	Packard Metri-Pack
Housing Material	SS304

ELECTRICAL CONNECTION - PACKARD PLUG		
A	Shield	Optional, usually not connected
B	Vcc (+)	
C	Signal (+)	



MOUNTING OF PUMPING GROUPS

The pressure sensor must be mounted in a linear section of pipe downstream of the impeller for correct detection of the working pressure.
Make sure the fluid is free of solid materials so as not to damage the sensor membrane.

ASSEMBLY OF IRRIGATING MACHINES

The pressure sensor must be mounted in a linear section of pipe upstream of the inlet valve for correct detection of the working pressure.
Make sure the fluid is free of solid materials so as not to damage the sensor membrane.