

NMEA2000® 4-20mA Pressure Adaptor



- Convert 4 - 20mA pressure input to digital value with $\pm 2\%$ FSD accuracy
- User selectable pressure range
- User selectable pressure source
- User selectable Damping
- Faulty sensor/connection detection (under or over current)
- No complicated menu setups required
- NMEA2000® micro C interface plug
- Designed to NMEA2000® network standard

The Oceanic Systems' NMEA2000® 4601 4 - 20mA Pressure Adaptor is designed to monitor any 4 - 20mA pressure source including Atmospheric, Water, Steam, Compressed Air, Hydraulic, Oil & Fuel on the NMEA2000® network.

This unit is designed to operate in a protected marine environment such as an engine room. It provides a standard NMEA2000® pressure PGN130314 over the network and is an important part of our complete Monitoring and Digital Switching System designed to NMEA2000® standard.

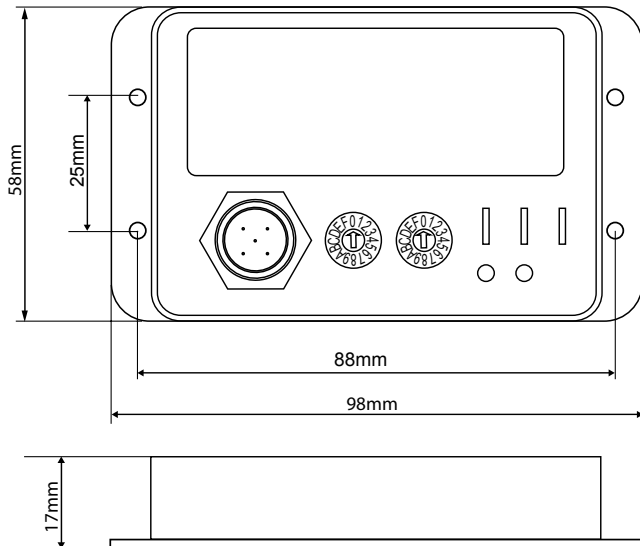
It is fully waterproof to IP67 and ruggedly constructed for years of reliable and accurate service.

The unit comes with a detailed User Manual and is engineered to the NMEA2000® network standard.

NMEA2000® 4-20mA Pressure Adaptor

Part No. 4601

Dimensions



Pressure sensor



Pressure sensors	
4645	Pressure snubber for 1/4" G connection
4636	Pressure sensor 0-350bar(5000psi) 4-20mA 1/4" G connection
4635	Pressure sensor 0-200bar(3000psi) 4-20mA 1/4" G connection
4634	Pressure sensor 0-70bar(1000psi) 4-20mA 1/4" G connection
4633	Pressure sensor 0-35bar(500psi) 4-20mA 1/4" G connection
4632	Pressure sensor 0-7bar(100psi) 4-20mA 1/4" G connection
4631	Pressure sensor 0-3.5bar(50psi) 4-20mA 1/4" G connection
4625	Pressure sensor 0-1bar(15psi) 4-20mA 1/4" G connection
4625	Pressure snubber
4621	Pressure Sensor 0-1bar ABS, 4-20mA, 1/4" BSP
4620	Vacuum Sensor 0-1bar, 4-20mA, 1/8" NPT

Design Standard		
NMEA2000®	Level B	
NMEA2000® PGNs		
Monitor	PGN130314	Actual pressure
Protocol	PGN126464	Tx/Rx PGN List
	PGN126996	Product Information
	PGN059392	ISO Acknowledge
	PGN059904	ISO Request
	PGN060928	ISO Address Claim
	PGN126208	Command/Request Group
Electrical and Mechanical		
Operating Voltage	12 to 24 Volts	
Power Consumption	65mA average Operating	
Load Equivalence Number	2	
Reverse Battery Protection	Indefinitely	
Load Dump Protection	Yes to SAE J1113	
Size	98 x 58 x 17 mm	
Weight	140v grams	
Environmental		
IEC06954 Classification	Value	
IEC 60954 Classification	Protected	
Degree of protection	IP67	
Operating Temperature	-20C to 55C	
Storage Temperature	-40C to 70C	
Relative Humidity	93%RH @ 40C per IEC 60945-8.2	
Vibration	2-13.2Hz @ ±1mm, 13.2-100Hz @ 7m/s2 per IEC 60945-8.7	
Electromagnetic Emission	Conducted and Radiated Emission per IEC 60945-9	
Electromagnetic Immunity	Conducted/Radiated per IEC 60945-10	
Safety Precautions	Dangerous Voltage, Electromagnetic Radio Frequency per IEC 60945-12	

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