



P-140 Technical Datasheet

Cargo Manifold and Pump Pressure Transmitter

- For cargo lines, manifolds and pump pressure
- For vapour recovery line pressure
- Robust design for deck mounting (IP68)
- Semi flush diaphragm for easy maintenance

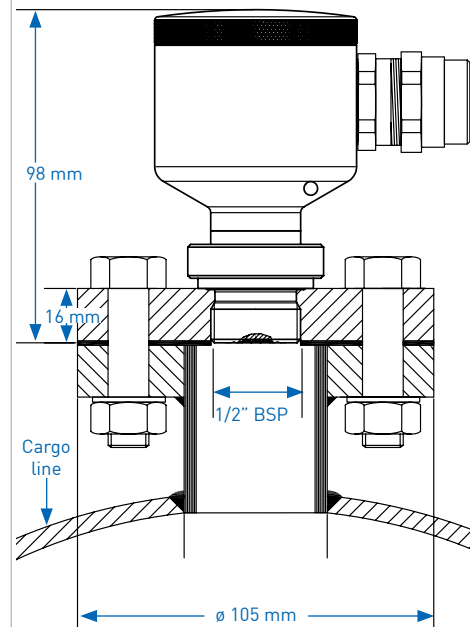
CARGOMASTER®

KROHNE
Marine

Technical data

Measuring data	
Measuring principle	Ceramic Capacitive
Sensor type	DMK 457-special
Pressure ranges (absolute)	0 - 400 psia
Overpressure	100 bar
Burst pressure	> 200 bar
Measuring accuracy	
Overall accuracy	+/- 0.35% (including hysteresis and repeatability)
Long term stability	≤ 0.1% FSO / year
Ambient conditions	
Compensated temperature range	-25...+85 °C / -4...+175 °F
Permissible temperature range (median)	-25...+85 °C / -4...+175 °F
Ingress protection	IP68
Product conditions	
Media	Measures all gases and liquids
Materials	
Pressure element	Piezo resistive
Diaphragm	Ceramic, Al ₂ O ₃ 99.7%
Housing	316 L
Process connection	
Threaded	1/2" BSP (flange on request)
Power supply and output	
Supply voltage	10 - 30 V DC
Signal output	4...20 mA
Certificates and approvals	
Ex approval	EEx ia IIC T4
IACS approvals	DNV

Dimensions



Manifold and pump pressure monitoring

The P-140 has a robust design suitable for deck mounting. Mounted on cargo lines, the sensor will monitor pressure during cargo operations. The sensor installation is designed for easy maintenance.