

SeaDragon

SENSOR
SERIES



Submersible pressure sensor

Features

- ▶ Compact, 2,000 m-rated, corrosion-resistant, 316 stainless steel housing
- ▶ 0–5,000 psi measurement (standard)
- ▶ Suitable for use in 3,000 psi hydraulic systems or ambient depth measurement
- ▶ Wide input supply
- ▶ Analog output standard; serial optional

Technical specifications on reverse.

Arctic Rays specializes in deep-sea lighting and imaging systems and other custom solutions specifically for use on AUVs, ROVs, manned submersibles and other offshore and underwater structures.

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ARCTIC RAYS
SUBSEA TECHNOLOGIES

SeaDragon

Technical Specifications

PARAMETER	SPECIFICATION
Model Number	AR 401
ELECTRICAL	
Input Voltage	8-30 VDC
Current Draw	Max 10 mA @24 VDC
Output	1-5 VDC standard; serial RS232 or RS485 optional
MECHANICAL	
Housing Material	316 stainless steel
Sensor Diaphragm Material	17-4PH stainless steel
Measurement Range	0-5,000 psi standard
Hydraulic System Pressure Rating	3,000 psi internal pressure above ambient
Pressure Port Thread	7/16" -20 UNF; or 1/4" -18 NPT standard
Weight	500 g in air; 300 g in seawater
ENVIRONMENTAL	
Depth Rating	2,000 m (6,600 ft.)
Temperatures	-10°C to 40°C

