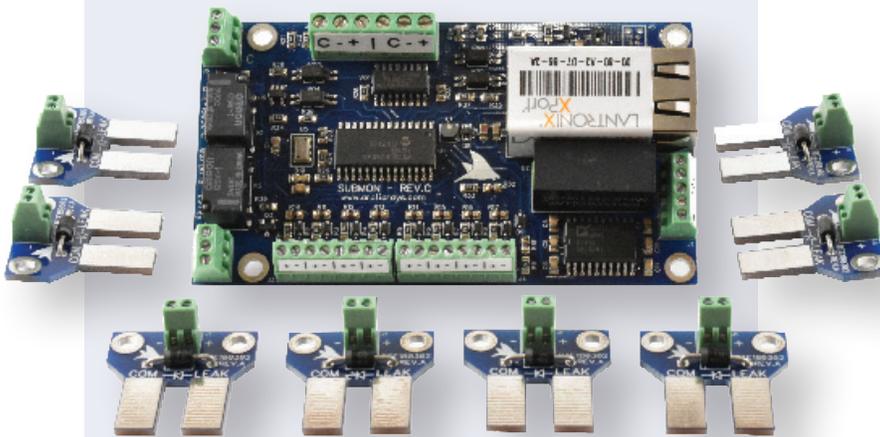


# SubMon

SENSOR  
SERIES



## Submersible monitoring system

### Features

- ▶ Compact, single-board underwater vehicle monitoring system with ground fault, leak and environmental sensors
- ▶ Ground fault system monitors both poles of two independent DC busses, up to 350 V or four independent DC busses, up to 450 V
- ▶ Leak detection system monitors eight remote, self-checking water detection probes
- ▶ Integrated onboard barometric pressure, temperature and humidity sensors
- ▶ Two onboard configurable alarm relays
- ▶ Fully electrically isolated
- ▶ Ethernet and RS232 communications

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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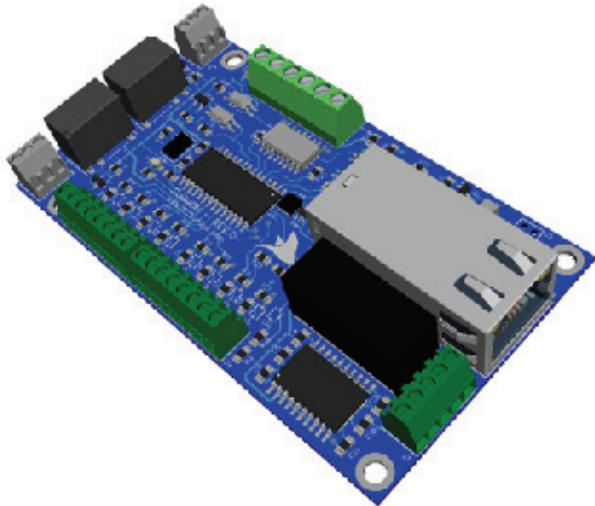
**ARCTIC RAYS**  
SUBSEA TECHNOLOGIES

# Submon

## Technical Specifications

PARAMETER	SPECIFICATION
Model Number	AR 402
<b>INTERFACE</b>	
Output	Serial RS232 or ethernet; both onboard
Ground Fault Monitoring	Standard: 2 channels; each up to 350 VDC max HV version: 4 channels; 2 up to 350 VDC max, and 2 up to 450 VDC max
Leak Detection Measurements	Standard: 8 independent, self-checking, fail-safe channels HV version: 2 independent, self-checking, fail-safe channels
Environmental Measurements	Barometric pressure (10–2000 mBar); temperature (-40°C–85°C); humidity (0–100% RH)
<b>ELECTRICAL</b>	
Input Voltage	8–30 VDC
Current Draw	70 mA ethernet enabled; 50 mA ethernet disabled
<b>MECHANICAL</b>	
Weight	50g in air
Size	Standard: 90.5 mm L x 51 mm W x 19 mm H HV version: 90.5 mm L x 65 mm W x 19 mm H
<b>ENVIRONMENTAL</b>	
Temperatures	-10°C to 40°C

STANDARD



HV

