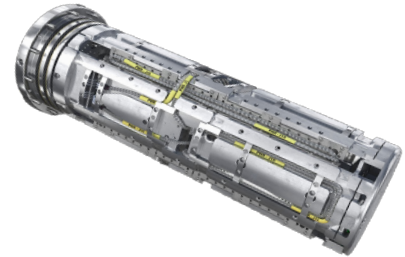


Subsea Electronics Module (Artemis 2G)



Proserv Artemis 2G subsea electronics module is available as a standard production SEM version or SIL3 version for safety related applications, such as HIPPS or high integrity control and monitoring. Both versions can be single or dual SEM configured and programmed for autonomous control. The Proserv SIL3 version utilises Rockwell AADvance SIL3 I/O and is fully programmable.

- SIIS L1, L2, L3 interfaces
- Standard multiple I/O including legacy serial devices
- Standard and SIL3 versions programmable
- SIL3 version utilises fully IEC 1131 PLC compliant programmable language
- Full diagnostic capabilities with ability for remote access
- Extremely high reliability and fully backward compatible
- Compact version available



Technical details - typical configuration

Dimensions	Ø 240 x 695 mm (9.4 x 27.4 in) standard size 1/2 size compact version available	
Weight	105 kg (232 lb)	
Environmental thermal ratings	Design: -18 °C to + 70 °C Operating: -5 °C to +40 °C	
Qualified design depth	Designed to 3,000 m (9,843 ft) WD	
Power	85-320 VAC, 50/60 Hz, AC/DC 250 W, DC/DC 375 W	
Inputs	Analogue and digital loops: 24 VDC External subsea instrumentation: 27 VDC	Internal: 90 W max. External: 96 W max.
Programming	YES Also pre-programmed sequences	LUA scripting console Sequences are configurable
I/O interfaces	SIIS level 2 (CANOpen) SIIS level 3 (Ethernet) IWIS (RS422) Proprietary interfaces supported based on RS4XX or proprietary interface boards	Multiple I/O configurations Typically 48 AI, 48 DO, 12 SIIS L2 2 Ethernet 8 serial 2 x IWIS cards Other configurations available
Configuration	Full web server embedded	Requires standard web browser for configuration and monitoring
Event logging	Event logging enabled	Stored locally to flash
Communications	Power line - FSK up to 390 kbps or OFDM up to 2.9 mbps	FO available through OCH
SIL 3 interfaces	AADvance Eurocard dual CPU Architecture	16 AI, 8 DO + Serial and Ethernet
Programming	YES SIL 3 version is full embedded PLC within SEM	IEC 1131 compliant
Design life	25 years	