

Subsea Interface Cards

Monitor and Control Permanent Downhole Gauges and SCRAMS® Systems in Subsea Completions

Halliburton WellDynamics offers a range of subsea interface cards that enable users to monitor permanent downhole gauges (PDGs) and control Surface Controlled Reservoir Analysis and Management System (SCRAMS®) completions. Each subsea interface card resides in the pod provided by the respective subsea controls vendor.

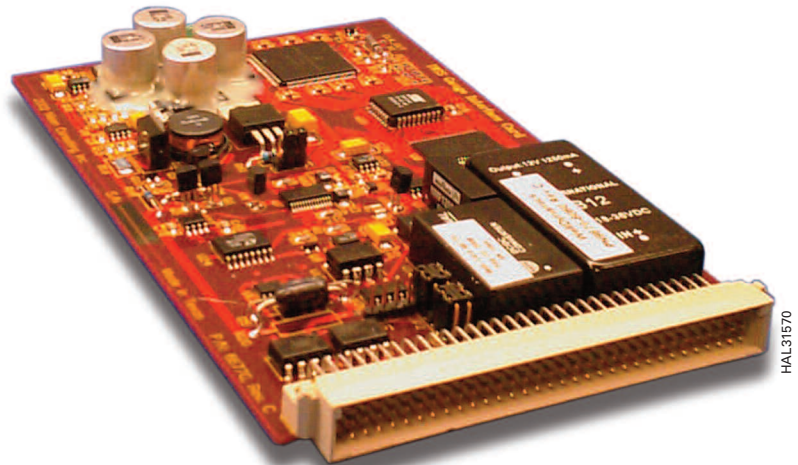
Features and Benefits

- Monitor PDGs
- Control SCRAMS completions
- Specific designs for a wide range of subsea control pod vendors

For details of available Permanent Downhole Gauge Interface cards, please refer to the individual data sheets for these cards.

Subsea SCRAMS Card

WellDynamics offers a subsea interface card for subsea SCRAMS installations. This card, installed in the subsea pod, communicates with the electronic board within the downhole SCRAMS tool. The Subsea SCRAMS Card has been implemented with Aker Solutions, VetcoGray and FMC.



IWIS PDG Interface Card

HAL31570

Subsea Interface Cards

	For GE Vetcogray Pod	For Cameron Pod	For FMC Pod	For FMC Pod	For Aker Solutions Pod	For Aker Solutions Pod	For IWIS
WellDynamics Part Number	9670 - 6010	9670 - 6015 (standard) 9670 - 6016 (unit converting)	9670 - 6050	9670 - 6000	9670 - 6040	9550 - 6140	9670 - 6060
Customer Part Number	-	-	DH1109/ 100016417	DH1108/ 7104455	-	-	DH1204/ P6000041999 (FMC)
Physical Format	Standard Eurocard 100mm x 160mm	Standard Eurocard 100mm x 160mm	Standard Eurocard 100mm x 160mm	Standard Eurocard 100mm x 160mm	Standard Eurocard 100mm x 160mm	3rd Gen Pod - specific	Standard Eurocard 100mm x 160mm
Interface Connector	DIN41612 male	DIN41612 male	2x DIN41612 male	2x DIN41612 male	DIN41612 male	Hypertac male	DIN41612 male
Supply Voltage	24Vdc +/- 10%	24Vdc +/- 10%	24Vdc +/- 10%	24Vdc +/- 5%	24Vdc +/- 5%	48Vdc +/- 5%	24Vdc +/- 25%
Maximum Power Consumption	8W	8W	8W	7.5W	8W	4W	9W
Max. On-board Power Consumption	3W	3W	3W	2W	3W	2W	4W
Operating Temperature	-20 to + 70°C	-20 to + 70°C	-20 to + 70°C	-7.5 to + 70°C	-25 to + 70°C	-10 to + 50°C	-20 to + 70°C
Random Vibration	6g, 20-2000Hz 3-axis	6g, 20-2000Hz 3-axis	5g, 20-2000Hz 3-axis		5g, 20-2000Hz 3-axis		5g, 25-1000Hz 3-axis
Shock	6-axis, 30g 11ms, 1/2 sine	6-axis, 30g 11ms, 1/2 sine	6-axis, 30g 11ms, 1/2 sine		6-axis, 30g 11ms, 1/2 sine		6-axis, 30g 11ms, 1/2 sine
Host Communications Hardware Interface	RS485	RS485	RS485	RS485	RS485	RS232	RS422
Host Communications Protocol	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Transparent via PPP
Max No. of Gauges at 30,000ft	5	5 (9670 - 6015) 4 (9670 - 6016)	5	4	5	2	5

For more information on any of the details featured here, please email us at welldynamics@halliburton.com.

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