

Subsea Interface Card for IWIS Compatible Systems

Monitor and control permanent downhole gauges in subsea completions.

Halliburton WellDynamics offers a subsea interface card which complies with the Intelligent Well Interface Standard (IWIS) standard as set out in ISO 13628-6 and the IWIS-RP (recommended practice). It provides monitoring of wellbore pressure and temperature from permanent downhole gauges (PDGs).

The IWIS subsea interface card for monitoring of permanent downhole gauges has been qualified with several subsea control systems suppliers including all of the majors:

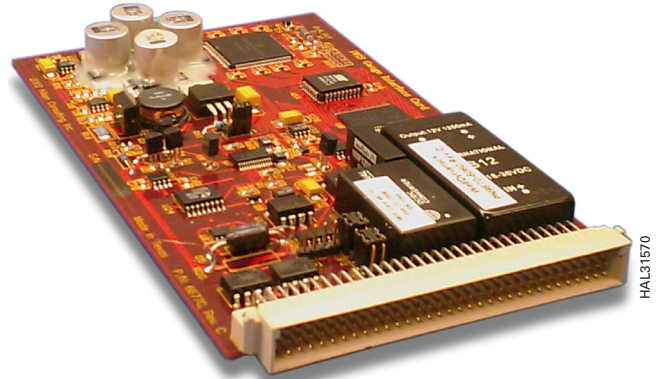
- GE VetcoGray
- Cameron
- FMC
- Aker Solutions

In addition the IWIS card has been qualified to IWIS environmental stress screening (ESS) standards which include:

- Sine Swept Vibration
- Random Vibration
- Physical Shock
- Thermal Soak

Unlike conventional subsea interface cards, there is only one version of the IWIS card which applies to all subsea controls suppliers.

IWIS systems are based on transparent communications between the IWIS card in the subsea pod and the Intelligent Well Computer (IWC)-software located topside. Halliburton WellDynamics provides an IWC which can be used for full monitoring and control of the downhole gauges or for diagnostics/engineering use.



IWIS PDG Interface Card

Benefits

- Enables downhole gauge system for a subsea completion where the subsea control system is provided by any IWIS compliant supplier.

Features

- Support for ROC™ family of downhole gauges
- Secure downloadable firmware allowing software upgrade in the field
- Supplied with 6HP front panel that can be optionally fitted by the customer

Specifications	
IWIS Card	
Physical Format	Standard Eurocard 100-mm x 160-mm
Interface Connector	DIN 41612 male
Supply Voltage	24Vdc +/-25%
Max. Power Consumption	9W
Max. On-board Power Consumption	4W
Operating Temperature	-20 to +70°C
Random Vibration	5g, 25-1000Hz, 3-axis
Shock	6-axis, 30g 11ms, 1/2 Sine
Communications Hardware Interface	RS422
Communications Protocol	Transparent via PPP
Max. No. of Gauges @ 30,000-ft.	5
Interface Documentation	Technical, Modbus and Calculation Specifications, Assembly Drawing

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

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