

Well Intervention

Data Processing Panel

The ParaComm data processing panel is an industrial computer that processes depth, tension and data to and from downhole tools via the Slick E-line.

The data processing panel is the central component for real time Slick E-Line system and sets the new industry standard for ultra-precision, safety and control of electronic controlled e-winch units.

The data processing panel communicates centrally with the components of the Slick E-Line system and can be installed on any existing winch unit. The DP panel is the main electric control panel for winch units and allows the operator to operate the winch unit at the highest safety levels that leads to zero wire brake.

All winch control functions are accessible by buttons on the screen and/or joystick. The control and visualisation interfaces are designed to optimise operator fitness and provide means for optimum productivity. The data processing panel can be easily programmed for advanced safety features e.g. High tension alarms and/or shutdowns.

Predicted line tensions can be monitored real time. Unique features are the automatic winch operations for e.g. auto jarring, constant speed and constant tension. The winch unit diagnostics can be monitored real time at any location and allows for user-friendly maintenance and off-site support. The data processing panel can communicate with any logging/acquisition systems and can function as a master or slave in your logging system.



Features

- Bi-directional communication between DP panel and Slick-E-Line® downhole tools
- Digital and analogue display of depth, speed and tension
- Certified models for Rigsafe or zone 2 areas
- Visualisation of toolstring position in well
- Job performance monitoring
- Programmable alarm and shutdown limits
- Manual winch control by joystick or screen buttons
- Automated speed, tension, jarring, logging
- Constant speed and tension

Options

- Visualization of sensor data e.g. CCL, Well pressure and temperature
- Line tension prediction
- Wireless Remote Rig Up Control

Benefits

- Intuitive graphic control interface
- Infinite controllability of the electric drive systems for ultra-slow or instantaneous winch response
- Real time data communication and control from remote office for operational support and quality control
- Remote winch control and diagnostics from any well or office location for maintenance or operational support
- Recording of line history and fatigue monitoring
- Real time data communication with logging system at remote office or control room, reducing number of supervisors at location
- Advanced safety to prevent emergency stop for over pull or other unsafe situations (e.g. surface operations)
- Advanced operational safety by real-time display of predicted vs. actual line tension

Well Intervention

Data Processing Panel

Technical specifications		
Temperature rating	-20 /+40 °C	
Dimensions (W x H x D)	33 x 165 x 53mm	13.2x10.4x2.1"
Weight	5 kg	11 lbs
Housing	Stainless steel	
Electrical supply	24 VDC	
Electrical cable	EX PoE (A1205607) to central JB	
IP rating	IP66/IP69K	
EX classification	CEEx RigSafe CEEx II 3G IIB T3 (Zone 2)	
Standards	EN-IEC 60079-0, -15 2014/34/EU, 98/37/EU	