ParaComm™ Data Processing Panel, Ex Zone 2

SLICK-E-LINE®

The ParaComm™ Data Processing Panel (DP) is an industrial computer that processes depth, tension and data to and from downhole tools via the Paradigm Slick-E-Line®. The DP is the central component for real-time Slick-E-Line® system and sets the new Industry standard for ultra-precision, safety and control for Paradigms' latest innovation of electronic controlled E-Winch units, another step change in operational efficiency.

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
- Visualization 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 RemoteRigUpControl

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 overpull or other unsafe situations (e.g. surface operations)
- Advanced operational safety by real-time display of predicted vs. actual line tension

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 DP panel is provided with a licensed software package, Ethernet and USB connections. The winch unit diagnostics can be monitored real time at any global location and allows for user-friendly maintenance and off-site support (optional).
The DP panel can communicate with any logging/acquisition system and can function as either a master or slave in your logging system.

Display and Control

- The DP panel communicates centrally with the components of the Slick-E-Line® system and can be installed in any existing winch unit.
- The DP panel is the main electronic control panel for Paradigm E-Winch units and allows the operator to operate the winch unit at 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 visualization interfaces are designed to optimize operator fitness and provide means for his/her optimum productivity.
- The DP panel can easily be programmed for advanced safety features e.g. automatic max tension/torque control, high tension alarms and/or shutdowns.

Part Number:	**A1205469**	
Temperature rating	-20 / + 40°C	
Dimensions (WxHxD)	335x165x53mm	13.2x10.4x2.1"
Weight	5 kg	11.0 lb.

Housing	Stainless Steel
Electric supply	24 VDC
Electrical cable	EX PoE (A1205607) to central JB
IP rating	IP66/IP69K
EX Classification	CE Ex II 3G IIB T3 (zone 2)
Standards	2014/34/EU EN-IEC 60079-0, -15

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