

PRODUCT INFORMATION SHEET

RMS-1000

**RIG MONITORING SYSTEM** 





The new RMS is designed to give operators a clear, unambiguous overview of critical drilling and mud data processes. The system has been developed by RCP to greatly improve how information is presented using modern display technology, multi-colour and coded graphics and flexible screen configurations.

The RMS-1000 offers a quick and cost-effective solution for clients considering, total replacement of systems or a partial upgrade to their existing drilling instrumentation systems. Our technical in-house expertise allows us to tailor each new system to meet your exact needs meaning that you do not pay for functionality you will never use.

# BASIC OPERATION

4/05/201

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The RMS-1000 utilizes a variety of sensing technologies (Typically: Level, pressure, height, temperature and flow), to monitor the drilling process, sensor output signals are received by the distributed I/O racks and are then processed by the PLC CPU. Processed information is then transmitted through network communication modules to each of the user interfaces including remotely networked PC's and local HMI's. System and operator interface communications may utilize either: fibre-optic, Profinet, Profibus or Industrial Ethernet connection.









Highly configurable screen options and clear mapping of critical information including trends, alarms and reports





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Systems can also provide control for motor stop/starts, valve control, emergency shutdowns and allows CCTV integration. Maintenance & diagnostics stations are provided along with data logging and remote access options.

#### STANDARD SCREEN DISPLAYS OPTIONS:

- · Tank / Pit Levels
- Gain Loss
- Pump Strokes
- Mud Temperature / Density / Return Flow
- Top Drive Torque / RPM
- Strokes Per Minute
- · Hook load
- · Block position / ROP / Hole depth
- · Choke / Standpipe pressures
- Bit depth

### FEATURES

- · Displays configured as per client's requirements
- · Additional screens added, existing screens modified easily
- Trend screens
- · Range of reporting options
- · Remote web client

## **OPTIONS**

- · Zone 1 or 2 Hazardous area installation
- · Sensor packages (Tailored to suit)
- · 3rd party system integration
- Wellsite Information Transfer Specification (WITS)

# SYSYEM CONTROLLER C/W:

- Mains Isolator
- Power Supply
- Power on lamp indication
- · PLC system controller
- · Remote I/O rack (Where applicable)
- Terminal rails
- Barriers

# **REMOTE INPUT / OUTPUT OPTIONS:**

· System dependent

# CONTROLLER OPTIONS:

- · Hazardous Area, zone 1 or zone 2 installation option
- Electrical supply requirements: 110/220AC 50/60Hz, 24vdc

