

# REMOTE PUMP CONTROLLER (RPC) UNIT

The Apex Advanced RPC Unit is a controller for your Hydraulic PC Pump Lift System that provides monitoring and basic intelligent control to your production well. The simple design of the unit allows ease of installation, setup and operation.

## REMOTE PUMP CONTROLLER UNIT FEATURES

- Casing and Tubing pressure monitor with a pressure sensor input (sensors not included).
- Production rate monitor
- Manual speed control option
- Fluid Over the Pump control option
- Tank level control option
- Fluid Over the Pump estimation
- Fluid production estimation
- Sensorless tank level estimate option
- Fluid level calibration.
- Global Monitor and Control System capable.
  - ⇒ 24/7/365 Access to the RPC Unit over the internet
  - ⇒ Capability for remote support over the internet
  - ⇒ 24/7 SCADA Monitoring package.
  - ⇒ Operational parameters adjusting remotely.

## PC PUMP APPLICATION

- Suitable for Electric and Hydraulics
- Rod speed estimation.
- Polish Rod torque applied estimation.
- Pump speed adjustment for complete well automation.

## RECIPROCATING PUMP APPLICATION

- Suitable for Electric and Hydraulics
- Stroke speed estimation.
- Rod load estimation.
- Real-time downhole and surface dynacards.
- Pump speed adjustment for complete well automation (Requires additional equipment).

## SPECIFICATIONS:

- IP66 (NEMA 4) outdoor enclosure.
- 270 MHz Digital Signal Processor (DSP) Controller module.
- 3 Configurable serial ports (RS-485, RS-232)
- 12 Digital Inputs
- 6 Digital Outputs
- 3 Analog Inputs
- 2 Analog Outputs
- DC Power supply (12 to 30 VDC input)
- Terminal Connection Blocks
- Window access (IP23 Cover) for:
  - Digital keypad with Color Graphics readout
  - Off/Auto selector switch.
  - High Pressure fault pilot light indicator
  - RJ45 Data port.

**LET THE APEX ADVANCED RPC UNIT HELP YOU TAKE CONTROL OF YOUR WELL.**

