



# RPC-80X

## TORQUE DISPLAY

**PURPOSE BUILT CONTROLLER FOR POWER TONGS, BUCKING UNITS AND OTHER TORQUE APPLICATIONS PROVIDES OPERATORS WITH KEY MEASUREMENT PARAMETERS WHILE STORING DATA TO STANDARD USB THUMB DRIVE.**

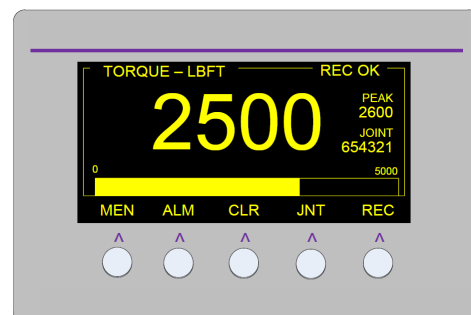
A perfect balance of size and functionality, the RPC-80x reflects Rugged Controls extensive marine, construction, and industrial machine instrumentation experience.

Five fully-sealed push buttons within a heavy-duty 316 stainless steel front panel access an easy-to-follow English language menu for calibration, joint configuration, and alarm settings – all intuitive and right at your fingertips.

Live Torque, Peak Torque, and Joint ID are displayed on a crisp, bright 160x80 electroluminescent (EL) display for unmatched readability in all light conditions. Rugged Controls TorqueDAC software creates a PDF report on any compatible PC.

### FEATURES AND BENEFITS

- Full programmability via English language menus.
- Audible alarm, linked to setpoint parameters.
- Built in data-logging to USB thumb drive
- Enclosure size: H3.9" x W5.6" x D2.5"
- Optional Pelican case or ATEX category 2 enclosure.



## Operator Interface Features

- Full programmability via English language menus
- Six alarms - linked to any measurement
- Live Tension and Torque calibration
- Two output relay channels, SPDT
- Save setting function (multiple)
- Two digital inputs, functions are menu selectable
- Ethernet - TCP/UDP
- USB, RS-232, RS-485
- Network configurable
- On-screen diagnostics and configuration security

## General Specifications

<b>Display</b>	160 x 80 graphic, EL Readable in all conditions
<b>Enclosure Size</b>	H 3.9" x W 5.6" x D 2.5"
<b>Operating Temperature</b>	-40°C to 70°C standard
<b>Environmental</b>	Weatherproof front panel Watertight rear enclosure option
<b>Power</b>	9-36VDC, 8W, fused/filtered Surge protected

## Instrument Specifications

<b>Sensor Excitation</b>	Regulated 12 and 5VDC, 0.5 A
<b>Count Input</b>	Quadrature, 1x, 2x, 4x Inductive proximity (Hall Effect) Count direction Up/Down 30 kHz Bandwidth
<b>Digital Input</b>	2 channels, 0-60VDC Trigger level 2.5VDC
<b>Serial Communication</b>	RS-485, isolated, 2 wire RS-232, USB, non-isolated
<b>Output Relay</b>	SPDT, NO-NC
<b>Relay Contact Rating</b>	125VAC 60VDC @ 1 Amp
<b>Ethernet</b>	10 base T, TCP/UDP
<b>Analog Input</b>	mV/V, 4-20 mA, 0-5 VDC
<b>Load Cell</b>	5/10 VDC Excitation

