



LCI-80x PLATFORM

SENSOR INPUTS



force rotation/speed pressure pulse flow



OUTPUTS



relay contacts analog signals serial/modbus TCP/IP USB

Engineered to perform in the harshest outdoor marine environments, the LCI-80x Rugged Programmable Controller offers a ruggedized compact HMI combined with today's latest processing technology.

Noted for years of performance in extreme environments where viewability is critical, the LCI-80x RPC is set apart from other panel meters, HMIs and analog gauges, not only by its robust durability but its advanced control and datalogging capabilities.

Ideally suited for harsh applications from simple to advanced automatic control, versions of the controller are available preconfigured for common monitoring applications.

FEATURES AND BENEFITS

- Measure, control and log sensor data
- Ruggedized stainless steel marine duty panel mount HMI
- Electroluminescent (EL) display viewable in any condition
- Measurements displayed as digits, graphs, and bargraphs
- Math channel calibration - sum, average, peak measurements
- USB mass storage - timestamp measurements and alarms
- Ethernet and serial interfaces, network configurable
- On screen calibration, diagnostics, and security
- Relays and analog outputs for safety and control

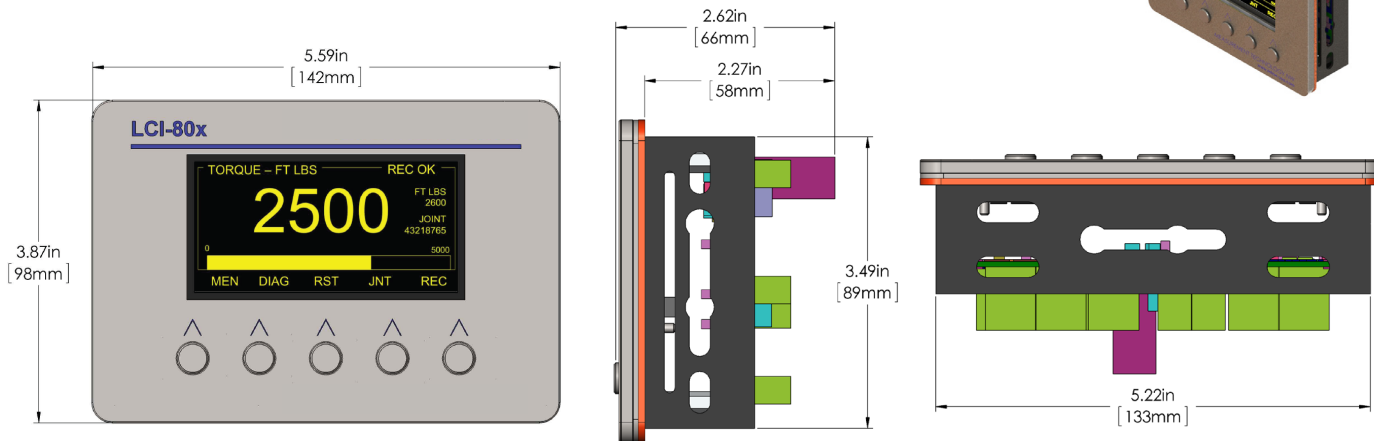
General Specifications

Display	160 x 80 graphic, EL 179° Viewing Angle Readable in all conditions
Operating Temperature Environmental	-40°C to 70°C standard IP65 Weatherproof front panel Watertight rear enclosure option
Power	9-36VDC, 8W, fused/filtered Surge protected
Enclosure Size	5.6" W x 3.9" H x 2.5" D
Panel Cutout	5.27" W x 3.55" H
Keypad	(5) sealed front panel pushbuttons

Operator Interface Features

- Full programmability via English language menus
- Up to 100 alarms - linked to any measurement / output
- Relays and analog outputs for safety and control functions
- Live sensor calibration - mV/V, Analog, and Quadrature
- USB mass storage - timestamp measurements and alarms
- Two digital inputs, functions are menu selectable
- Ethernet - TCP/UDP, Network configurable
- USB, RS-232, RS-485 Communications interface
- PID Control feature and Mathematical functions
- On-screen diagnostics and configuration security
- Save and recall system settings
- Optional LCI Report Generator software creates branded PDF Reports

NOTE:
PANEL MOUNT CONFIGURATION SHOWN



Instrument Specifications

Measurement Inputs	(1) mV/V (2) 4-20mA, 0-5VDC, 0-10VDC, ±5VDC
Load Cell Count Input	(1) Quadrature 5/10 VDC Excitation, 0-20/0-100mV Quadrature, 1x, 2x, 4x Inductive proximity (Hall Effect) Count direction Up/Down 30 kHz Bandwidth
Digital Inputs	(2) channels, 0-60VDC Trigger level 2.5VDC
Resolution	24-bit analog input, 16-bit analog output
Response	Up to 1000 Hz/channel speed
Sensor Excitation	Regulated +5/+12/+24VDC, 0.5 A
Analog Output	(2) 4-20mA, 0-5VDC, 0-10VDC, ±5VDC
Output Relays	(2) SPDT, NO-NC 125VAC 60VDC @ 1 Amp
Serial Communication	RS-485, isolated, 2 wire RS-232, USB, non-isolated
Ethernet	10 base T, TCP/UDP
Comm Protocols	MTNW 1&2, Modbus, TCP/IP, USB Host

