

Panel Meter Solutions for
Everyday Applications

Panel Meters
Large LED Displays

The Red Lion difference

From Simple Panel Meters to Smart Device Capability!

- Display Height: 0.3" (7.6 mm) to 4" (101 mm)
- Digital Meters: count, rate, time
- Analog Meters: current, process, resistance, strain gage, temperature, voltage
- PID Control: current, process, temperature, voltage
- Outputs: relay, solid state, retransmitted analog
- Various communication protocols
- Field-installable option cards providing flexibility as your business needs change
- Easy-to-use powerful capabilities of Crimson software
- Smart device connectivity, Wi-Fi and modbus communications

PM-50: Red Lion's graphical panel meter

Full Color Touchscreen

Multiple Displays

Customizable Screens

Modular Construction

- Plug-in Play Modules
- Upgradeable Firmware
- Outputs, Power, Comms

Data Access

- Wi-Fi
- Modbus/RS485
- Ethernet & RS232

Easy Field Replacement

- Use existing wiring
- 4.3" → 1/8 DIN Products
- 3.5" → 1/16 DIN Products
- Enable Wi-Fi to Collect Data

Smart Device Capabilities

- Functionality
- Programming
- Connectivity

Alarm Notification

- Display Color Change
- Focuses Attention

Simple Programming

- Start-up Wizard
- Programming App
- Web Browser

Display Options

- Easy-to-read Graphical Displays
- Multiple Displays Available
- Selectable Widgets

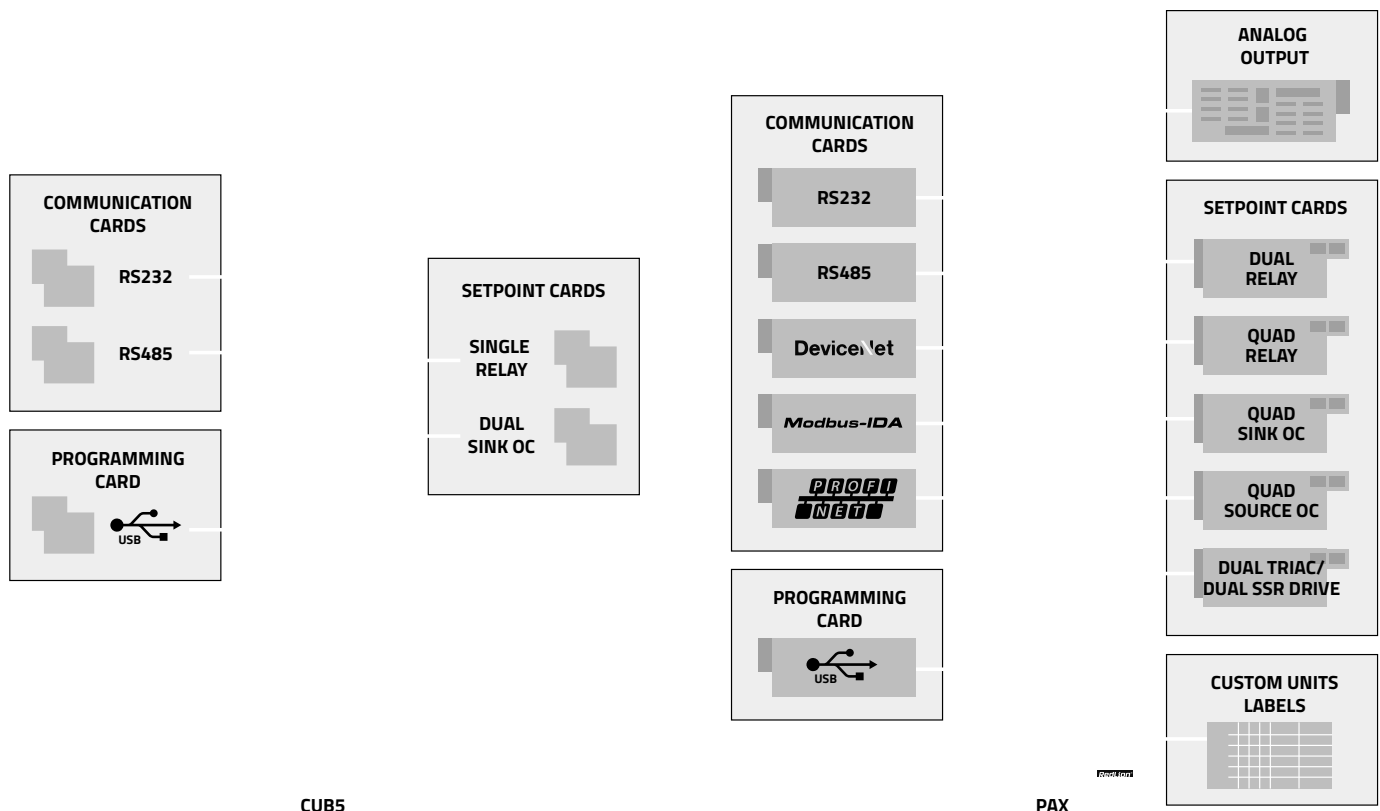
CUB5 and PAX meters: endlessly adaptable

The last meter you will ever buy

Driving down costs means thinking differently. That is why Red Lion's CUB5 and PAX meters offer the capability to add and change option cards as your application and communications requirements change. This field-upgradeable solution saves you money and is the perfect alternative to competitive meters that force you to order a new meter every time conditions change or when a relay wears out. With our meters, simply order the option card you need for easy, plug-and-play installation. Our wide range of output cards, including communications, set points and retransmitted analog, our meters can handle your challenging applications and changing requirements.

Field-upgradeable plug-in option cards

Red Lion's CUB5 and PAX meters offer the capability to add and change option cards as your application and communications requirements change.



Panel meter specifications

Digital Applications

	Counting/ Totalizing	Preset Count	Batch Count	Rate Indication	Rate Control	Elapsed Timing	Time Control	Real-Time Clock
CUB5	CUB5R000, CUB5B000	CUB5R000*, CUB5B000*	CUB5R000*, CUB5B000*	CUB5R000, CUB5B000	CUB5R000*, CUB5B000*	CUB5TR00, CUB5TB00	CUB5TR00*, CUB5TB00*	N/A
PAX Lite	PAXLC600, PAXLC800	PAXLCR00	N/A	PAXLR000	PAXLCR00	N/A	N/A	N/A
PAX	PAXC0020	PAXI0020*	PAXI0020*	PAXLR000	PAXLCR00	PAXTM000	PAXTM000*	PAXCK000
Large Displays	LD Series	LD Series	LD Series	LD Series	LD Series	LD Series	LD Series	N/A
PM50	PM500D0X	PM500D0X	PM500D0X	PM500D0X	PM500D0X	N/A	N/A	N/A

* Meter requires option card to provide capability.

Analog Applications

	AC Current	AC Voltage	DC Current	DC Voltage	Process Signals	Temperature, RTD/ Thermocouple	Strain Gage/ Load Cells	PID Controller
CUB5	N/A	N/A	CUB5IR00, CUB5IB00	CUB5VR00, CUB5VB00	CUB5PR00, CUB5PB00	CUB5TCB0, CUB5TCR0, CUB5RTR0, CUB5RTB0	N/A	N/A
PAX Lite	PAXLIA00, PAXLIT00	PAXLVA00, PAXLHV00	PAXLVD00, PAXLA000	PAXLCL00, PAXLA000	PAXLCL00, PAXLA000	PAXLT000	PAXLSG00	N/A
PXU	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PXU Series
PAX	PAXH0000	PAXH0000	PAXD0000	PAXD0000	PAXP0000	PAXT0000	PAXS0000	N/A
Large Displays	N/A	N/A	LD2A05P0	LD2A05P0	LD2A05P0	N/A	N/A	N/A
PM50	N/A	N/A	PM500A0X	PM500A0X	PM500A0X	PM500A0X	N/A	N/A

* Meter requires option card to provide capability.

Panel meter specifications

	Display Type	Dimension (W x H)	Input Capability	Setpoint Capability
CUB7 Miniature 1/32 DIN	8-digit reflective, red, backlight LCD: 0.35" (9 mm)	2" x 1.1" (51 x 28 mm)	Count & time	N/A
PAX Lite 1/8 DIN Meter	5- to 8-digit red LED display: 0.56" (14 mm)	3.80" x 1.95" (97 x 50 mm)	Count, rate, time, current, voltage, process, strain gage & temperature	Dual outputs (some models)
CUB5 Miniature Intelligent Meter	5- or 8-digit reflective or red backlight LCD: 0.46" (12 mm)	2.95" x 1.5" (75 x 38 mm)	Count, rate, time, current, voltage, process & temperature	Single or dual outputs*
PAX 1/8 DIN Intelligent Meter	5- or 6-digit red LED display: 0.56" (14 mm)	3.80" x 1.95" (97 x 50 mm)	Count, rate, time, current, voltage, process, strain gage and temperature	Dual or quad outputs*
PM-50 1/16, 1/8 DIN	Graphical Display, Full Color Touchscreen, 3.5" or 4.3", Multiple Screens	Universal Input Digital Model - count and rate Analog Model - current, voltage, process, resistance, and temperature	Dual SS on-board, Dual or Quad Relay outputs*	Yes*
PXU 1/16, 1/8, 1/4 DIN	4-digit dual line red/orange LCD display 1/16 DIN Digit Size: Line 1 - 0.43" (11 mm); Line 2 - 0.27" (7.0 mm) 1/8 DIN Digit Size: Line 1 - 0.47" (12 mm); Line 2 - 0.47" (12 mm) 1/4 DIN Digit Size: Line 1 - 0.87" (22 mm); Line 2 - 0.55" (14 mm)	1/16 DIN: 1.89" x 1.89" (48 x 48mm) 1/8 DIN: 1.89" x 3.77" (48 x 96mm) 1/4 DIN: 3.77" x 3.77" (96 x 96mm)	Full PID control for temperature or process	Single, dual & triple outputs
LD Large Display	5- and 6-digit 2.25" (57 mm) or 4" (101 mm) red LED display	12" x 4" (304 x 101 mm) or 16" x 4" (406 x 101 mm) or 20" x 7.87" (508 x 200 mm) or 26" x 7.87" (660 x 200 mm)	Count, rate, time, current, voltage, process & serial slave	Single or dual outputs

* Meter requires option card to provide capability.

	Retransmitted Analog	Power Source	Sensor Excitation	Other Features	Communications Capability	NEMA 4X/IP65
	N/A	Lithium battery, 9 - 28 VDC for backlighting	N/A	Front panel reset or remote reset	N/A	Front panel
	N/A	85 - 250 VAC	Yes	Custom units overlay for analog meters	N/A	Front panel
	N/A	9 - 28 VDC	N/A	2 option card slots. front panel reset or remote reset	Yes*	Front panel
	Yes*	85 - 250 VAC or 11 - 36 VDC	Yes	Custom units overlay for analog meters, 3 option card slots	Yes*	Front panel
	10 to 30 VDC, AC Power Module optional	+24 VDC @ 50 mA	Programming/ Monitoring App, Web Browser, Smart Device Connectivity	Modbus, On-board Wi-Fi, Ethernet and Optional RS232	Modbus, On-board Wi-Fi, Ethernet and Optional RS232	Front panel
	Yes	100 - 240 VAC or 24 VAC / 24 VDC	No	Ramp/soak, remote setpoint and CT input	Yes	IP65 only
	N/A	Universal power, 50 - 250 VAC and 22 - 250 VDC	Yes	N/A	Yes	Sealed case

* Meter/module requires option card to provide capability.

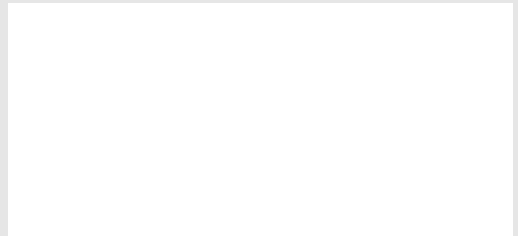


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