Panel Meters

Award-winning solutions from the number one brand in industry



- The widest range of models, sizes and capabilities in the industry
- Display count, rate, time, voltage, current, process, strain gage and temperature
- Basic models to versatile multi-function and field-upgradeable models
- **Superior technical support**
- Powerful, complimentary Crimson® software
- **Custom products available**



Red Lion Panel Meters. The most solutions. The #1 brand.

Why do users prefer Red Lion meters?

Red Lion has more high quality solutions for your digital and analog panel meter requirements than any other supplier, with a wider range of models, sizes and capabilities—from our indicators to the versatile PAX process meters that let you add or change capabilities with plug-andplay, field-installable cards. Red Lion's free Crimson® software offers flexibility, powerful capabilities and intuitive ease. Combine the widest selection with our unmatched quality, speed of delivery and world-class technical support, and you'll understand why, when the world thinks of panel meters, it thinks of Red Lion.

- Widest range of products in the industry
- Field-installable option cards
- Easy-to-use Crimson software
- Superior quality
- Best delivery
- Unmatched technical support
- Leading Brand*



* For nine consecutive years the readers of Control Design Magazine have voted Red Lion the number one panel meter manufacturer in the industry.

Indication

Low cost, general purpose counters and timers with dedicated functionality and legendary Red Lion quality.



CUB3 Series: General purpose, miniature indicator with 6-digit, 0.2" LCD. Low 3 VDC operating power supplied via internal lithium battery. Reliable integrated circuitry, embedded in a single monolithic, silicon, microchip. 1" X 2" snap-in mounting.



CUB7 Series: Dedicated function 8-digit miniature displays with large 0.35" high backlit LCD. Low voltage and high voltage models. Decimal points and scaling model. Replaceable internal lithium battery. Remote reset; NEMA 4X/IP65.

count * rate * time * voltage * current * process * strain gage * temperature

Control and Indication

Workhorse panel meters offering versatility and functionality, with models available for measuring count, rate, time, voltage, current, temperature, process and strain gage.



CUB5 Series: Flexible functionality in a miniature 38 mm x 75 mm package. Field-installable option cards for setpoint and communications. 10 to 28 VDC powered with backlit 0.46" high LCD: NEMA 4X/IP65.



PAX Lite: 1/8 DIN meters for dedicated applications. Simple field setup, easy programming and dual setpoint control. 0.56" LED display; NEMA 4X/IP65.

NEMA 4X/IP65. or RTD inputs; multiple communications; NEMA

Advanced Control and Indication

Includes all of the features of the Control and Indication products listed above, plus field-upgradeable option cards for advanced communications and output capabilities.



PAX Series: Versatile 1/8 DIN meter. Add up to 3 field-upgradeable option cards for dual and quad setpoint, retransmitted analog output, RS232, RS485, Modbus, Profibus and DeviceNet™ communications; dual count, dual rate, and dual process meters available; NEMA 4X/IP65.



PAX2: All the features of the PAX Series with a dual color, dual line display and increased update rates.



T48 Series: 1/16 DIN temperature PID loop controller with reduced overshoot. Auto-tuning of PID control settings, dual display of temperature and setpoint; accepts up to 10 types of thermocouple or RTD inputs; multiple setpoints; RS485 communications; NEMA 4X/IP65.

Multiple setpoints; RS485

communications: NEMA 4X/IP65.

LPAX & EPAX Series:

1.5" (LPAX) and 4" (EPAX) displays based on the popular PAX Series with all of the same features, including field-upgradeable option cards. NEMA 4X/IP65.





2

Plug-In Option Cards: Innovation and flexibility.



Crimson® software: Easy-to-use, easier to value.

Don't underestimate the value of free.

industry that allows you to program program other meters and Red Lion devices. This open, intuitive and



The last meter you will ever buy.

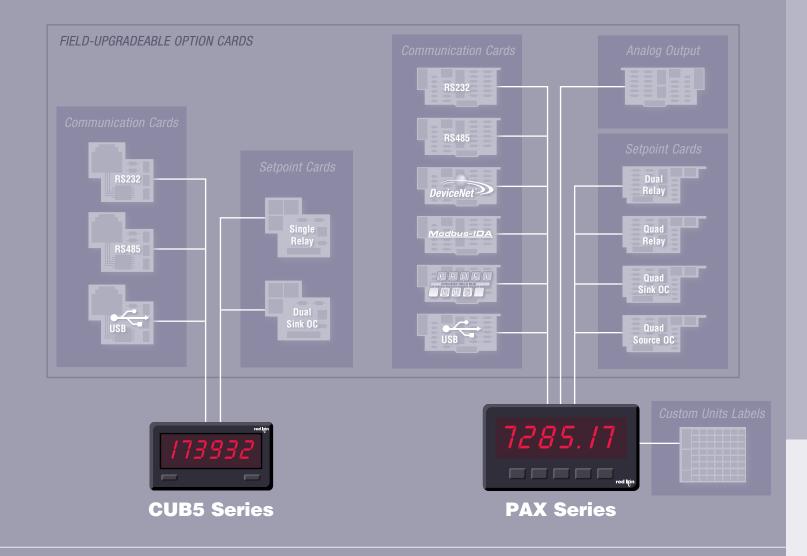
Red Lion's CUB5 and PAX Series meters both offer the capability to add and change option cards as your application and communications requirements change. Red Lion fieldupgradeable solutions are the perfect alternative to competitive meters that force you to order a new meter every time conditions change. With Red Lion meters, simply order the option card you need for easy, plug-and-play installation. With our wide range of output cards, including communications, setpoints and retransmitted analog, Red Lion can handle your challenging applications and changing requirements.



Change functions, add capabilities with plug-and-play, field-installable cards.



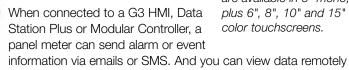
to computers and communicate directly to the meters. No more messy converters.



Integrate your process.

Extend the reach of Red Lion panel meters by connecting them to a G3 Series HMI, Data Station Plus or a Modular Controller. Share panel meter data with other devices by using one of the 200+ protocols and log panel meter data to an IT-ready file. Use pass-through programming to

configure the panel meter remotely, then modify panel meter parameters if configuration changes are required.

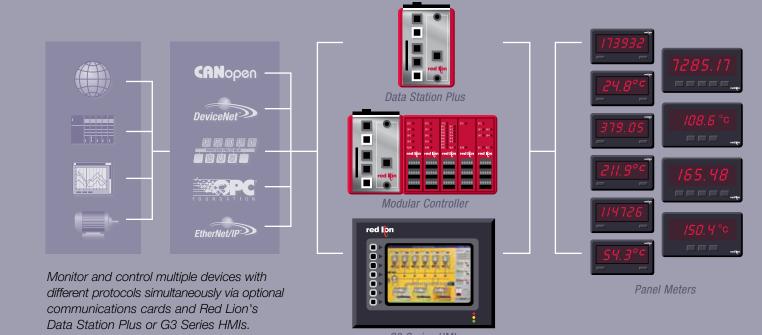


The Data Station Plus functions as both a data management platform and PFM host.



Red Lion G3 models are available in 3" mono, plus 6", 8", 10" and 15" color touchscreens.

using a web browser for real-time monitoring and control.



Panel Meter Specifications

Display Type

Dimension (W x H)

Communications

Capability

Indication

Control & Indication

Advanced Control & Indication





Miniature





Miniature 1/16 DIN

Yes







PAX

1/8 DIN Intelligent Meter Series

5- or 6-Digit

Red or Green LED Display

0.56" (14 mm)

3.80" x 1.95"



PAX2 Dual Line

1/8 DIN Intelligent Meter Series

6-Digit, 0.7" (17.8mm) Top Line

9-Digit, 0.34" (8.6 mm) Bottom

Red/Green LCD Display

3.80" x 1.95"

(97 x 50 mm)

Current, Voltage, Process, and Temperature

Dual or Quad Outputs

Yes

11 to 36 VDC



LPAX/EPAX

Large Displays

5- and 6-Digit,

1.5" (38 mm) or 4" (101 mm)

Red LED Display

10" x 4.75" (254 x 121 mm)

or 24.77" x 7.2" (629 x 183 mm)

Count, Rate, Time, Current,

Voltage, Process, Strain Gage

and Temperature

Dual or Quad Outputs

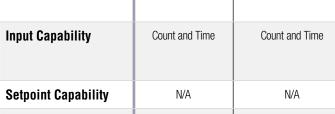
85 to 250 VAC or

11 to 36 VDC

CUB3 <i>Miniature 1/32 DIN</i>	CUB7 <i>Miniature 1/32 DIN</i>
6-Digit LCD, 0.2" (5.1 mm)	8-Digit, Reflective or Red and Green Backlight LCD, 0.35" (9 mm)
0" v 1"	0" v 1 1"

git LCD, (5.1 mm)	8-Digit, Reflective or Red and Green Backlight LCD, 0.35" (9 mm)
' x 1"	2" x 1.1"
25 mm)	(51 x 28 mm)









N/A

NEMA 4X/IP65	N/A	Froi
Go to our website fo	r our online panel me	ter selector

www.redlion.net

	Tou to	
CUB5 e Intelligent Meter Series	PAX Lite 1/8 DIN Meter Series	
8-Digit, Reflective or	5- to 8-Digit	

5- or 8-Digit, Reflective or	5- to 8-Digit	4-Digit, Dual Line
Red/Green Backlight LCD,	Red LED Display	Red/Green LED Display
0.46" (12 mm)	0.56" (14 mm)	0.4" (10.2 mm)/0.3" (7.6 mm

0.46" (12 mm)	0.56" (14 mm)	0.4" (10.2 mm)/0.3" (7.6 mm)
2.95" x 1.5"	3.80" x 1.95"	1.95" x 1.95"
(75 x 38 mm)	(97 x 50 mm)	(50 x 50 mm)

2.95" x 1.5" (75 x 38 mm)	3.80" x 1.95" (97 x 50 mm)	
Ot D-t- Ti	On the Data Times Outstand	

Count, Rate, Time, Current, Voltage, Process	Count, Rate, Time, Current, Voltage, Process, Strain	Temperature or Process
and Temperature	Gane & Temperature	011100033

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Current, Voltage, Process	Voltage, Process, Strain	or Process	
and Temperature	Gage & Temperature		
Single or Dual Outputs	Dual Outputs (Some Models)	Single, Dual & Triple Outputs	

	14/1	14/71	100
.8	9 to 28 VDC	85 to 250 VAC	85 to 250 VAC or 18 to 36 VDC/24 VAC
	N/A	Yes	N/A
	2 Option Card Slots. Front Panel Reset or	Custom Units Overlay for Analog Meters	N/A

N/A	Yes	N/A	Yes
Front Panel	Front Panel	Front Panel	Front Panel

Remote Reset

1850
音を全文 rodiţe

Count or Time

N/A

N/A

Yes

Front Panel

C48C/C48T	LD Serie
Miniature 1/16 DIN	Large Displa

C48C/C48T	LD Series
Miniature 1/16 DIN	Large Displays
6-Digit, Reflective or	5- and 6-Digit, 2.25" (5

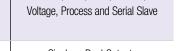
	LD Series
IN	Large Displays
	5

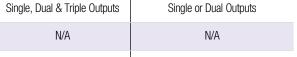
		Displa	_	
5- and 6-Di	git, 2	2.25"	(57	mr
or 11	1/10	11 mn	۵١	

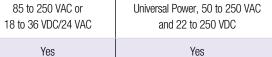
Red/Green Backlight LCD, 0.3" (7.6 mm)/0.2" (5 mm)	or 4" (101 mm) Red LED Display
1.95" x 1.95" (50 x 50 mm)	12" x 4" (304 x 101 mm) or 16" x 4" (406 x 101 mm) or 20" x 7.87" (508 x 200 mm)

or 26" x 7.87" (660 x 200 mm)

Count, Rate, Time, Current,
Voltage, Process and Serial Slave



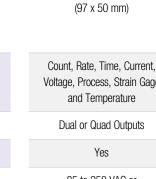






Sealed Case

N/A



Voltage, Process, Strain Gage and Temperature	
Dual or Quad Outputs	
Yes	

Custom Units Overlay

for Analog Meters,





3 Option Card Slots		
Yes	Yes	Yes







DIGITAL Applications	CUB5	PAX Lite	PAX	Large Displays
Counting/Totalizing	CUB5R000, CUB5B000	PAXLC600, PAXLC800	PAXC0000	LD Series, LPAX/EPAX
Preset Count	CUB5R000, CUB5B000	PAXLCR00	PAXC0000, PAXI0000	LD Series, LPAX/EPAX
Batch Count	CUB5R000, CUB5B000	N/A	PAXC0000, PAXI0000	LD Series, LPAX/EPAX
Rate Indication	CUB5R000, CUB5B000	PAXLR000	PAXR0000	LD Series, LPAX/EPAX
Rate Control	CUB5R000, CUB5B000	PAXLCR00	PAXR0000, PAXI0000	LD Series, LPAX/EPAX
Elapsed Timing	CUB5TR00, CUB5TB00	N/A	PAXTM000	LD Series, LPAX/EPAX
Time Control	CUB5TR00, CUB5TB00	N/A	PAXTM000	LD Series, LPAX/EPAX
Real-Time Clock	N/A	N/A	PAXCK000	LPAX/EPAX

ANALUG Applications	GUDO	PAX LILE	PAX	Large Displays
AC Current	N/A	PAXLIA00, PAXLIT00	PAXH0000	LPAX/EPAX
AC Voltage	N/A	PAXLVA00, PAXLHV00	PAXH0000	LPAX/EPAX
DC Current	CUB5IR00, CUB5IB00	PAXLID00, PAXLA000	PAXD0000	LD Series, LPAX/EPAX
DC Voltage	CUB5VR00, CUB5VB00	PAXLVD00, PAXLA000	PAXD0000	LD Series, LPAX/EPAX
Process Signals	CUB5PR00, CUB5PB00	PAXLCL00, PAXLA000	PAXP0000	LD Series, LPAX/EPAX
Temperature, RTD	CUB5RTR0, CUB5RTB0	PAXLRT00, PAXLT000	PAXT0000	LPAX/EPAX
Temperature, Thermocouple	CUB5TCR0, CUB5TCB0	PAXLTC00, PAXLT000	PAXT0000	LPAX/EPAX
Strain Gage/Load Cells	N/A	PAXLSG00	PAXS0000	LPAX/EPAX

Red Lion: Integrated solutions for the plant floor.



Graphic Operator Interface Terminals

- 3 serial ports and an Ethernet port
- Web-based HMI for remote access
- Protocol conversion of over 170 protocols
- Data logging to CompactFlash® or FTP
- Email alarms or logged files
- Text alarms to mobile phones
- Functions as an HMI and PFM host at the same time



Data Station Plus Series*

Data Management Platform

- 3 serial ports and an Ethernet port
- Web-based HMI for remote access
- Protocol conversion of over 170 protocols
- Data logging to CompactFlash® or FTP
- Email alarms or logged files
- Text alarms to mobile phones
- Functions as a data management platform and PFM host at the same time

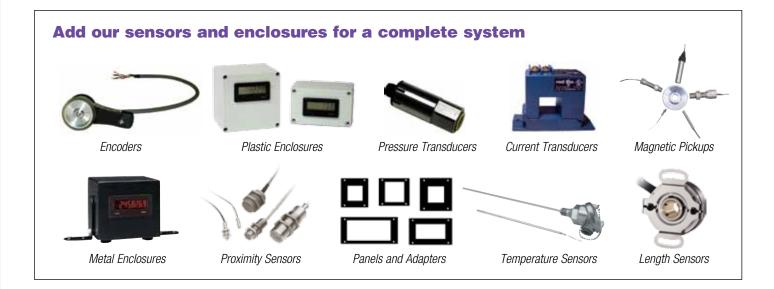


Modular Controller Series*

Multi-Loop and Data Acquisition Platform

- 3 serial ports and an Ethernet port
- Web-based HMI for remote access
- Protocol conversion of over 170 protocols
- Data logging to CompactFlash® or FTP
- Email alarms or logged files
- Text alarms to mobile phones
- PID and I/O modules for control or data acquisition
- Functions as a data acquisition platform and PFM host at the same time

*For more information on the G3, DSP and Modular Controller Series, please refer to the respective product brochure.





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