

FEATURES

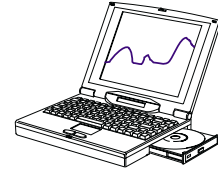
- ✓ CSA Certification Option
- ✓ Rechargeable Inst. Battery
- ✓ Isolated Logger Battery
- ✓ 5 Year Memory Battery
- ✓ Nema 4 steel case
- ✓ Electronic Note Pad
- ✓ Modem Compatible
- ✓ Min./Max./Avg. Functions
- ✓ Broad Operating Temp.
- ✓ Large Solid State Memory
- ✓ Pulsed Powered
- ✓ Internal Temp. Sensor
- ✓ Expandable to 10 input Ch.
- ✓ RS232 IBM/PC Compatible
- ✓ 1 Sec. to 24 Hr. Sample Rate



North America
 © NRTL /C
 Class 1 Div. 2
 Groups A,B,C,D



RS232 Serial
 Communications



RXK DATALOGGERS

c/w LE8304 rechargeable instrument battery, 64K memory, communication plug & charge plug

- RXK2** \$1349.00
2 input channels
- RXK4** \$1449.00
4 input channels
- RXK8** \$1649.00
8 input channels
- CSA12 Certification** . . . \$149.00
Class 1 Div. 2 Groups A, B, C, D

ACCESSORIES

- ULB1 Lithium Battery** . . . \$14.00
1 Amp.Hr battery
- LE8304 Rechg. Battery** . . \$75.00
2 Amp.Hr. instrument battery
- RXACC Charger/Adaptor** \$65.00
continuous AC use (24hr. recharge)
- RXACF Fast Charger** . . \$120.00
continuous AC use (2 hr. recharge)
- ULB5UP Lithium Battery** \$89.00
5.2 Amp.Hr., Replacement for LE8304
- CC10SR Comm. Cable** . . \$69.00
10' long, surge-protected c/w CAP plug
- RXP Input Plug** \$39.00
channel expansion cable kit
- ULM2412R Modem** \$449.00
2400/1200 baud, c/w RJ11 cable
- LS4 IBM/PC Software** . . \$149.00
DOS version, c/w manual
- DV1 Dataview** \$89.00
Windows Graphing Software for LS4
- DV+ Dataview Plus** \$199.00
Win95/98/NT Software - for downloading monitoring and graphing data, eval. download from www.lakewood.com

This rugged datalogger is an ideal battery-operated data storage unit for remote applications. Lakewood's RX units make it easy to record conditions such as temperatures, pressures, fluid levels, humidity, rainfall, voltages, and alarm conditions for fast graphical and tabular analysis on laptop or desktop computers. These units can be programmed to record data ranging from once per second to once per day. With Lakewood's Dataview Windows

software, you can view graphs within seconds and quickly move the data to other software applications such as Excel.

Unique raintight input plugs offer convenient connections to sensors in remote field applications. Recorded data is always protected by a five year memory battery. A standard RX Data Storage Unit is equipped with an internal 2 Amp. Hr. rechargeable instrument battery. ULB lithium batteries provide 1 to 5 years of continuous power for RX units.

SPECIFICATIONS

ANALOG INPUT

Quantity 1 to 8 Channel
 Range 0 to 2.5 volts D.C.
 Storage Res. 1/16383
 A/D Resolution 1/8191
 A/D Accuracy 1/2047
 Impedance 1 Megohm

CONTACT STATUS INPUT

Quantity 1 to 8 (Dry or Wet)
 Type Switch to Ground
 TTL Compatible
 Strobe 0-99,999,999-0 Count Cycle
 Speed 20 C.P.S. Count Rate
 Conditioning Soft Debounce

DATA STORAGE

Memory Size 32K (high resolution)
 64K (low resolution)
 Type Non-volatile RAM
 (3 Year Lithium Battery)
 Interval Mode 1 Sec. to 1 Day/1 Sec. Definition
 Time Accuracy .0015% (1min/month)
 Time Format Month/Day/Year
 Hour/Minute/Second
 Hardware Calendar Clock
 Midnight Day# Marker

OUTPUT POWER SWITCHING

Voltage Ref. 2.5 Volts
 (10 mA max.)
 Sensor Warm-up 35 to 835 mSec
 Extended 35 mSec to 307 Sec
 Inst. Battery 1.6 amp. max. @ 12 Volts

COMMUNICATION

Data Transfer Up to 12X Compression
 64K/160 Sec.(Direct)
 Error Handling CRC Multiple Retry
 Type RS232C (may req. UCB buffer)
 Interface 9 Pin Male/D (Computer)
 CC10SR Cable & CAP plug req'd

ELECTRICAL

Memory Battery Lithium (3 Yr. / Powered)
 Datalogger Bat. 9V Lithium Battery Inc.
 ULB5 Lithium Opt.
 (~3 to 5 yrs. @ 1 min. samples)
 Sleep Mode ~ 100 Micro Amp. Draw
 Wake Mode 6 ma-Sec Power Pulse
 Communication 6 ma-Sec Power Pulse

CERTIFICATION

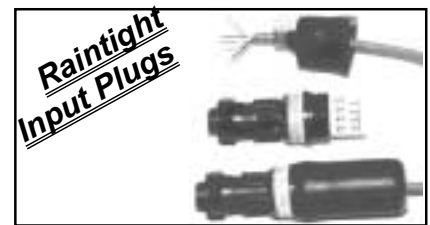
NRTL/C (North America)
 Hazardous Loc. Class 1 Div. 2 - Groups A,B,C,D

PHYSICAL

Dimensions ~310 x 100 x 170 mm
 (12 x 4 x 6.7 in.)
 Weight ~3.6 kg. (8 lbs)

ENVIRONMENTAL

Operating Temp. -40°C to +75°C
 (-40°F to +170°F)
 Storage Temp. -50°C to +90°C
 (-60°F to +200°F)
 Humidity 0% to 95% Non-Condensing
 (Conformal Protection Coating)



- IPX Input Plug** \$29.00
(standard) 4 screw terminals
- IP2V Input Plug** \$29.00
0 to 2.5 volt input range
- IP10V Input Plug** \$29.00
0 to 10 volt input range
- IP420F Input Plug** \$39.00
4 to 20 milliamp input range
- IP25MV Input Plug** \$89.00
0 to 25 millivolt input range
- IP250MV Input Plug** . . . \$89.00
0 to 250 millivolt input range

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