

This self-powered datalogger provides a highly reliable means of recording field data. Lakewood's Chart Pacs 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. When used with a remote modem, Chart Pacs can operate on cellular or standard phone lines.

Chart Pacs can be programmed to record data ranging from once a day to once per second. With Lakewood's Dataview

Windows software, you can view graphs within seconds or quickly move the data to standard spreadsheet programs such as Excel.

Chart Pacs also offer the convenience of interchanging modules in remote field applications through the use of unique input plugs. Recorded data is always protected by a five year memory battery. A standard 9 volt alkaline battery can power the module for up to 4 months. ULB lithium batteries provide 1 to 5 years of continuous power for Chart Pac.

- Chart Pac**
- CPXKA** \$649.00
1 channel analog input 0 to 2.5 volt D.C c/w 64K memory.
 - CPXKS** \$649.00
1 channel status event/recording accumulation 0-99,999,999-0 cycle c/w 64K memory

- Chart Pac Accessories**
- ULB1** Lithium Battery . . \$14.00
1 Amp.Hr battery
 - ULB5** Lithium Battery . . \$149.00
5.2 Amp.Hr. battery
 - CC10S** Comm. Cable. . . \$49.00
RS232 cable, 10' long, surge protected
 - URB700** Inst. Battery . . \$89.00
700 mA-hrs. 12 V Rechargeable Internal
 - ULAC500** Adaptor \$29.00
for AC power/URB700CP Charging
 - CSA12** Certification. . . \$149.00
for Class 1 Div. 2 Groups A,B,C,D
 - CPC** Expansion Plug. . . \$50.00
for each additional channel
 - 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

SPECIFICATIONS

ANALOG INPUT (CPXA)

Quantity	1 to 4 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 (CPXS)

Quantity	1 to 4 (Dry or Wet)
Type	Switch to Ground TTL Compatible
Range	0-99,999,999-0 Count Cycle
Speed	20 C.P.S. Count Rate
Conditioning	Soft Debounce

OUTPUT POWER SWITCHING

Voltage Ref.	2.5 Volts
	10 mA. Source
Soft Control	35 to 835 mSec. Warm-up
Current Switch	1.6 amp. max.

COMMUNICATION

Data Transfer	Up to 12X Compression 64K/160 Sec.(Direct) CRC Multiple Retry
Error Handling	RS232C (UCB may be req'd)
Type	9 Pin Male/D
Interface	(CC10S Cable Female/Female)

DATA STORAGE

Data Samples	32K(high resolution) 64K (low resolution)
Type	Non-volatile RAM (5 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
Time Tag	

ELECTRICAL

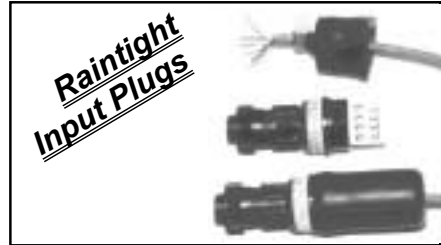
Memory Battery	Lithium (3 Yr. / Powered)
Datalogger Bat.	9V Standard Lithium Battery Inc. (~4 months @ 5min. samples) ULB5 Lithium Opt. (~3 to 5 yrs. @ 1 min. samples)
Sleep Mode	100 Micro Amp. Draw
Wake Mode	6 ma-Sec Power Pulse
Communication	6 ma-Sec Power Pulse

PHYSICAL

Dimensions	~200 x 57 x 110 mm (7.8 x 2.2 x 4.3 in.)
Weight	~.68 kg.(1.5 lbs)

ENVIRONMENTAL

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

www.lakewood.com

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