Pulse Accumulator

MULTI-VENDOR DATA COLLECTION COMPATIBLE
LINE-SHARED / LINE-SURRENDER CAPABILITY

2-Channel, Landline Modem-based
Pulse Data Logger
The 2-channel Pulse Accumulator is designed to support most C&I smart metering/AMR analog modem based applications.

Designed to be either wall or meter mounted (with a Mercury Instruments UMB), the Pulse Accumulator is a battery-powered, pholine-line-based data logger of low frequency meter pulses. Both input channels and stored consumptions can be independently scaled to different units of measure, providing maximum value and flexibility.

**Product Features**
- 2 Independent input channels
- Low power requirements: 3+ years from four D-cell alkaline batteries
- Shared phone line capability; configurable for line share/line surrender
- Durable composite material case with hinged door
- Multi-vendor data collection compatibility
- Force-a-call feature
- Wireless communications availability: CDMA, GPRS/GSM, satellite, cellular control channel, radio
- Power control: for battery-operated wireless modem operation

**Specifications**

**Environmental**
- -40°F to 150°F
- Ambient Humidity: 0 to 90% Non-condensing

**Communications**
- 2400/9600 baud rate
- Call out (host initiated)
- Call in (instrument initiated)

**Software**
- MasterLink, AutoLink, DC2009, Itron MV90, and other third party software providers

**Data Inputs**
- FW Filter ON / OFF
- Min on pulse width: 150mS / 40mS
- Min off pulse width: 150mS / 60mS
- Max bounce time: 10mS / 2mS
- Max frequency: 3Hz, 50%DC / 10Hz, 40%DC

**Memory**
- 4+ days of hourly/10 user specified log items
- 1+ year of hourly/10 user specified log items (optional)

**Firmware**
- Field upgradable via Flash Program Memory

**Pulse Input Circuit**
- Full temperature range
- Max wetting current provided = 35 microamps
- Max transmitter leakage current = 7 microamps
- Max Pulser + Line Resistance = 200 ohms
- Max line length = 300 feet

**Power**
- 4 D-cell alkaline disposable battery pack
- 4 D-cell alkaline receptacle battery pack
- 4 D-cell lithium disposable battery pack

**Certifications**
- Class 1, Division 2, Group C & D

**Enclosure**
- 20% glass-filled polycarbonate
- Weight: 3.7 lbs
- Wall Mount or meter-mount

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**Find Out More:**
To learn more about Mercury Instruments products, contact your Honeywell Process Solutions representative, visit [www.mercuryinstruments.com](http://www.mercuryinstruments.com) or call 513-272-1111.

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