

CPA150

Dual-Channel Pulse Data Logger

Designed for C&I Smart Metering/AMI Cellular Modem Applications

The CPA150 is a Cat M1, battery-operated, easy to configure dual-channel pulse data logger designed to support most commercial & Industrial (C&I) smart metering/automatic meter reading (AMR) analog as well as 2G/3G modem-based applications.

With this advanced cellular pulse data logger, both input channels and stored consumptions can be independently scaled to different units of measure, providing maximum value and flexibility.

The CPA150 Pulse Data Logger is designed for low-power and outdoor operation. It is ideal for call-in applications involving meter data management (MDM) and can connect to PowerSpring or be interfaced with third-party MDM systems.

The CPA150 is CSA Class I Div 2 approved, making it a perfect solution for gas measurement applications where safety is always a concern.



FEATURES & BENEFITS



Plug and Play connectivity



Cat M1 technology



Hourly calls



24/7 reachable



Simple installation



PowerSpring integration



SCADA connection



Class 1 Div 2



Internal or external antenna



GPS capability

CPA150 Technical Specifications

Operating Temp:

- -40 to +185°F (-40°C to 85°C)

Humidity:

- 0% - 100% condensing

Power:

- Four D Cell Lithium battery pack. Field replaceable.
- 10-30VDC Input

Battery Life (with Lithium pack):

- 8+ years with an hourly report.

Standard Input/Outputs:

- 2 Digital Inputs report state, total counts, frequency (2kHz max), volume total with K Factor
- 1 Pulse output (future)

Enclosure:

- Industrial polycarbonate UV Rated; IP64.

Safety Rating:

- Class 1 Division 2 Certified, Groups A, B, C, D. Temperature Code T5. Certified to CSA C22.2 No. 213:2017, Conforms to UL 121201:2017

Local Micro-USB Configuration Port.

Data Interface:

- LTE CAT M1 MQTT with SparkPlug B

Cellular Radio Power:

- 23dBm.

Cat-M1 Supported bands:

- B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B20, B25, B26, B28, B66.

SIM card:

- 4FF.

eDRX operating mode

Secure socket using TLS

Carrier:

- Verizon, AT&T, Rogers, Telus, ...

Antenna Type:

- Internal: LTE w/ Internal GPS.
- External: LTE (SMA Connector)

Weight:

- 1 lbs (600 g)

For more information

To learn more about CPA150 visit www.honeywellprocess.com or contact your Honeywell account manager.

Automation and Control Solutions

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