

DATASHEET

### BP3



## Highlights

- Contains Two (2) 3.6 V Primary Lithium Thionyl Chloride (Li-SOCl<sub>2</sub>) Batteries
- High Energy Bobbin D-Size Cell
- Provides Reliable Voltage Response and Operating Life in -40 °C to +85 °C Environments
- High and Stable Operating Voltage
- Low Self Discharge Rate  
(Less than 1% After 1 Year of Storage at +20 °C)
- Stainless Steel Container (Battery Shell)
- Hermetic Glass-to-Metal Sealing
- Built-in Safety Vent
- Non-Flammable Electrolyte
- Underwriters Laboratories (UL) Component Recognition (File # MH 12609)
- For Use with All OleumTech Intrinsicly Safe Transmitters

## Works with All OleumTech CID1 Transmitters

### ELECTRICAL SPECIFICATIONS

Nominal Capacity (At 5 mA +20 °C 2 VDC Cut Off. The Capacity Restored By the Cell Varies According To Current Drain, Temperature And Cut Off)	· 34.0 Ah
Open Circuit Voltage (at +20 °C)	· 3.67 VDC
Nominal Voltage (at 0.7 mA +20 °C)	· 3.6 VDC
Pulse Capability	· Typically Up to 80 mA. Varies According To Pulse Characteristics, Temperature, Cell History And The Application's Acceptable Minimum Voltage. Fitting The Cell with a Capacitor May Be Recommended in Severe Conditions.
Continuous Current Permitting 50 % of the Nominal Capacity To Be Achieved at +20 °C with 2 VDC Cut Off	· 250 mA
Storage (Recommended)	· 30 °C Max
Operating Temperature Range	· -40 °F to 185 °F / -40 °C to 85 °C Operation Above Ambient Temperature May Lead To Reduced Capacity And Lower Voltage Readings At The Beginning of Pulses.

### MECHANICAL SPECIFICATIONS

Li Metal Content	· Approximately 0.3 oz / 9 g
Dimensions	· 2.61" x 2.46" x 1.31" / 66.3mm x 62.5mm x 33.3mm
Weight	· 6.5 oz / 184.3 g

### CERTIFICATIONS & COMPLIANCE

Safety	· For use with OleumTech Intrinsicly Safe Transmitters
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### ORDERING INFORMATION

Battery Model Number(s)	· SX1000-BP3
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