

## **BM-4701 nVision Data Logger Specifications**

### **Temperature (operating and Storage)**

Operating & Compensated -20°C to 50°C (4°F to 122°F)

### **Humidity**

<95% Relative, non-condensing

### **IP Rating**

IP67 rated enclosure (1m immersion for 30min) per IEC 60529

### **Electrical Connection**

Electrical Connection – Mini-USB B (environmentally sealed chassis connector)  
nVision under USB power consumes less than 100mA

**WARNING:** The mini USB B connector shall not be used within the hazardous Atmosphere. It shall be used in the non-hazardous atmosphere with Either “Safety Extra Low Voltage Circuits” (SELV) or “Protective Extra Low Voltage Circuits” (PELV). The USB connector has a Um of 6v.

SELV and PELV definitions per IEC60079-11 are:

Safety extra-low voltage (SELV): Extra-low voltage system (I.e. not normally exceeding 50VAC or 120V ripple-free DC) electrically separated from earth and from other systems in such a way that a single fault cannot give rise to an electrical shock.

Protective extra-low voltage (PELV): Extra-low voltage system which is not electrically separated from earth but which otherwise satisfies the requirements for SELV.

**Note:** a 50v centre-tapped earth system is a PELV system.

### **Mounting**

Permanent Mounting – Four M4 x 0.7 threaded inserts: 8mm deep

### **Enclosure**

Impact Resistant Injection moulded housing and elastomeric protective boot compatible with common industrial fluids, including SKYdrol.

Weight: 680g (1.5lbs) including one each PM and RTD100 module, 4AA battery module, and protective boot

