

SPECIAL FEATURES

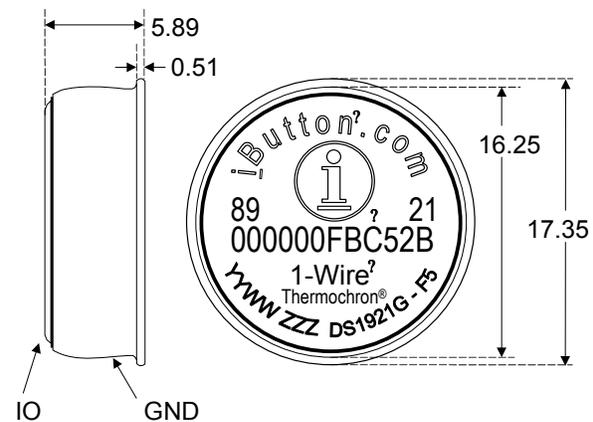
- Digital thermometer measures temperature in 0.5°C increments
- Accuracy $\pm 1^\circ\text{C}$ from -30°C to $+70^\circ\text{C}$. See EC table for accuracy specification
- Built-in real-time clock (RTC) and timer has accuracy of ± 2 minutes per month from 0°C to 45°C
- Water resistant or waterproof if placed inside DS9107 iButton® capsule (Exceeds Water Resistant 3 ATM requirements)
- Automatically wakes up and measures temperature at user-programmable intervals from 1 to 255 minutes
- Logs up to 2048 consecutive temperature measurements in protected nonvolatile (NV) random access memory
- Records a long-term temperature histogram with 2.0°C resolution
- Programmable temperature-high and temperature-low alarm trip points
- Records up to 24 time stamps and durations when temperature leaves the range specified by the trip points
- 512 bytes of general-purpose read/write NV random access memory
- Communicates to host with a single digital signal at 15.4kbits or 125kbits per second using 1-Wire® protocol

COMMON iButton FEATURES

- Digital identification and information by momentary contact
- Unique, factory-lasered and tested 64-bit registration number (8-bit family code + 48-bit serial number + 8-bit CRC tester) assures absolute traceability because no two parts are alike
- Multidrop controller for 1-Wire net
- Chip-based data carrier compactly stores information
- Data can be accessed while affixed to object

- Button shape is self-aligning with cup-shaped probes
- Durable stainless-steel case engraved with registration number withstands harsh environments
- Easily affixed with self-stick adhesive backing, latched by its flange, or locked with a ring pressed onto its rim
- Presence detector acknowledges when reader first applies voltage
- Meets UL#913 (4th Edit.). Intrinsically Safe Apparatus: approved under Entity Concept for use in Class I, Division 1, Group A, B, C and D Locations

F5 MICROCAN



All dimensions are shown in millimeters.

ORDERING INFORMATION

DS1921G-F5 -40°C to $+85^\circ\text{C}$ F5 iButton

EXAMPLES OF ACCESSORIES

DS9096P	Self-Stick Adhesive Pad
DS9101	Multi-Purpose Clip
DS9093RA	Mounting Lock Ring
DS9093A	Snap-In Fob
DS9092	iButton Probe

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