# SmartButton
## *Product Specifications*

*Type:* *Single-Channel Temperature*

## GENERAL SPECIFICATIONS

**Size:** 17 mm diameter x 6 mm height (0.67" x 0.24")
**Weight:** 4 grams (0.14 ounces)
**Case Material:** Stainless steel
**Battery:** 3.0 volt Lithium
**Resolution:** 8-bit (1 part in 256)
**Mounting:** User selectable (magnetic backing, plastic plate mount, or angled blue hard plastic)
**Clock Accuracy:** +/- 2 minutes per month from 0 to 45℃ (32 to 113℉)
**Sampling Methods:** Continuous (First-in, First-out), Stop When Full (Fill-then-stop)
**Operating Limits:** -40℃ to 85℃ (-40℉ to 185℉)
**PC Requirements:** Pentium® 75 (Pentium® II or faster recommended) running Windows® 9X/NT/2000/XP with at least 16MB RAM (64MB RAM strongly recommended), color monitor, 16-bit color graphics card, printer, pointing devices and one free serial port
**Software Requirements:** SmartButton Reader
**Communication:** RS232 Serial/ACR SmartButton interface

**Memory Size:** 2KB (capable of storing up to 2,048 readings)
**Sampling Rates:** User selectable rates from 1 minute to 255 minutes
**Start Delay:** Up to 255 minutes
**Number of Channels:** One (one internal channel for ambient temperature)
**Alarm Thresholds** User selectable, event storage

## SENSOR SPECIFICATIONS

**Temperature Sensor:**
  Type: Silicon
  Range: -40 to 85℃ (-40 to 185℉)
  Accuracy: +/- 1.0℃ from -30 to 45℃ (+/- 1.8℉ from -22 to 113℉)
  +/- 1.5℃ from 45.5 to 85℃ (+/- 2.7℉ from 114 to 185℉)

The ACR SmartButton is a miniature-sized temperature logger that is extremely low-cost and easy to use. Because of its small size and low-cost, you can purchase tens or hundreds of them for multiple-site temperature monitoring. To get you started, purchase the SmartButton Starter Pack. It includes one SmartButton, an interface cable, the SmartButton Reader software, and a mini manual. So simple and easy to use, anyone can start data logging today!



### WARRANTY
**Data Logger:**     1 Year

### APPLICATIONS

**Food processing verification, pharmaceutical storage, laboratories, transportation of temperature-sensitive goods, equipment run time, HVAC system testing and balancing, etc.**

**Model#:**     **Cat#:**

SmartButton (single)     01-0180
SmartButton Starter Pack     01-0181