

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°C (32 to 113°F)
Sampling Methods:	Continuous (First-in, First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40°C to 85°C (-40°F to 185°F)
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°C (-40 to 185°F)
Accuracy:	+/- 1.0°C from -30 to 45°C (+/- 1.8°F from -22 to 113°F) +/- 1.5°C from 45.5 to 85°C (+/- 2.7°F from 114 to 185°F) and from -30 to -40°C (+/- 2.7°F from -22 to -40°F)
Resolution:	0.5°C (0.9°F)

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