



PulseStar

PS-048

PulseStar is a weather-resistant, portable iButton reader designed for maximum durability in both indoor and outdoor applications. The PulseStar indicates a successful read with a pulsing vibration. The vibrating pulse makes the PulseStar ideal for use in environments where sound cannot or should not be heard, such as on a loud factory floor or in a quiet museum.



Above: Technician records the date and time of the yearly test of emergency equipment by scanning an iButton with PulseStar.



Memory

The PulseStar is capable of storing up to 5,400 iButton reads before downloading. When the PulseStar touches a button, the unique ID of the iButton is stored in the reader's memory, along with the date and time of the read.



Battery

PulseStar runs on a 3-volt lithium battery, requiring no recharging, and providing up to one year of performance. Data is stored in non-volatile RAM, so there is no risk of losing data when changing the battery.



Touch Memory iButtons

The PulseStar collects data from iButtons, which can be mounted on almost any object, including containers, pallets, bags, walls, and equipment. iButtons are stainless-steel tags that are highly resistant to environmental hazards such as dirt, moisture, and shock.



Specifications

PulseStar

PulseStar is a weather-resistant, portable iButton reader that indicates a successful read with a pulsing vibration. The PulseStar is designed with a sealed cylindrical case, which protects against the ingress of dust and moisture.



PulseStar (PS-048)

Physical	Sealed, plated, aluminum case that resists scratches, drops, and moisture
Weight	3.8 ounces (109 g)
Dimensions	5.1" L x 0.9" D (130 mm x 23 mm)
Memory	48KB
Storage Capacity	5,400 iButton ID reads
Battery	3-volt lithium, 2/3 "A" size (Eveready Energizer EL123AP or equivalent)
Battery Life	Up to 1 year
Clock	Real-time with capacity to operate up to 1 minute after battery disconnected
Communications	Serial base station
Transfer Rate	57,000 bps
Data Output	Access database and/or ASCII text file
Visual Indicator	Infrared pulses
Audio Indicator	None - vibrates
iButton	Reads ID of DS1990A Maxim iButtons
Storage Temperature	-40° to 149° F (-40° to 60° C)
Operating Temperature	32° to 122° F (0° to 50° C)
IP Rating	IP68

Downloader (120V - PSD-000; 220V - PSD-F00)

Dimensions	4.0" x 4.1" x 1.8" (102 mm x 105 mm x 46 mm)
Weight	8.2 ounces (232.5 g)
Number of Readers	2
Connection	9 pin serial port
Operating System	Windows
Power	120 V, 60 MHz; 220 V, 50 MHz
Indicator Lights	Transmit, Receive, Power
Serial Communication	Standard RS232

iButton Specifications

Physical	Memory chip stored inside button-shaped, water-resistant, stainless-steel case
Dimensions	3 mm button: 0.64" D x 0.12" H (16.3 mm x 3.2 mm), 5 mm button: 0.64" D x 0.23" H (16.3 mm x 5.9 mm)
Weight	3 mm button: 0.057 ounces (1.6 g), 5 mm button: 0.120 ounces (3.3 g)
Operating Temperature	-40° to 185° F (-40° to 85° C)
Battery	None
Data Storage	Unique 48-bit serial number (read only)



PSD-000