PulseStar™

Portable Touch Button Reader

PulseStar is designed for the harshest environments. It's ideal for security rounds, inspections, preventive maintenance checks, or any time you need to track people, items, locations, and activities.

Working outdoors in the rain?
PulseStar's cylindrical metal case is sealed against dirt and moisture. You can take it outdoors in a rainstorm, or to a dirty, dusty shop floor, without worry—it will still perform. Indoors or outdoors, PulseStar can handle it!

Working in a high-noise environment? Or in an area where any noise would be a disruption? PulseStar indicates a successful read not with a tone, but with a pulse. Only the user gets immediate feedback on a good read—perfect for use on a factory floor, or in the quiet halls of a hospital.

Need something more durable than bar codes, or need to be absolutely certain the person was at the job? PulseStar is a portable data collector that reads iButtons. iButtons are small, durable metal canisters that contain a unique ID number that cannot be duplicated. You can assign the button to represent a person, a location, an item, or even an action.

When PulseStar touches a button, the button's unique ID is stored in the reader's memory with date and time.

When the work is done, the reader is returned to a docking station. PulseStar communications software for the PC transfers the data from the reader to the computer.

PulseStar– Data collection for the toughest environments

PulseStar Specifications

Physical:	Sealed plated aluminum case that resists scratches, drops, and water
Weight:	3.7 ounces (105 gm)
Dimensions:	Length 5-1/8"; diameter 15/16" (130.2 x 23.8 mm)
Memory:	48K
Storage Capacity:	Up to 5400 iButton ID reads
Battery:	3-volt lithium, 2/3 "A" size (Eveready Energizer EL123AP or equivalent)
Battery Life:	Up to 1 year
Estimated Use:	Up to 40,000 continuous reads
Clock:	Real-time with capacity to operate up to 1 minute after battery disconnected
Communications:	IrDA (pulse)
Transfer Rate:	Full memory will transfer in approximately 8.5 seconds
Data Output:	ASCII text file
iButton:	Reads ID of all Dallas Semiconductor iButtons Option to read data stored in 1982, 1985, 1986, 1992, 1993, and 1994 buttons
Storage Temperature:	-40° to 149° F (-40° to 60° C)
Operating Temperature:	32° to 122° F (0° to 50° C)
Humidity:	95% noncondensing

Downloader Specifications

Dimensions:	4.0" x 4.1" x 1.8" (102 x 105 x 46 mm)
Weight:	8.2 ounces (232.5 gm)
Number of Readers:	2
Power Supply Adaptors:	120 volt, 60 Hz; 220 volt, 50 Hz
Indicator Lights:	Transmit, Receive, Power
Connection Ports:	Computer, Extension, Power
Serial Communications:	Standard RS232

iButton Specifications

Physical:	Memory chip stored inside button-shaped, water-resistant, stainless steel case.
Dimensions:	0.64" diameter x 0.12" height (16.3 x 3.2 mm), 0.64" diameter x 0.23" height (16.3 x 5.9 mm). 0.68" diameter mounting flange (17.3 mm).
Weight:	0.057 ounces (1.6 g).
Operating Temperature:	-40° to 185° F (-40° to 85° C).
Battery:	None.
Data Storage:	Unique 48-bit serial number (read only).

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