BUY AMERICAN ACT COMPLIANT

Portable Touch Button Reader

The PulseStar (PS-048), Videx's most weather-resistant portable iButton reader, is 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 a loud factory floor or a quiet museum. Additionally, because there is no speaker hole, the PulseStar's cylindrical metal case is completely sealed to protect against dirt and moisture.

The PulseStar can be used for a wide variety of applications such as security and maintenance checks, transportation, production, and inventory. The PulseStar is also ideal for applications where the iButtons are on key fobs and used for time tracking and payroll.

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 charging 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. The compact, coin-shaped iButton is self-aligning with the face of the PulseStar to ensure fast, accurate reading of the iButton ID.

Downloading
When the work is done, the reader is returned to a docking station. The PulseStar communications software for the PC transfers the data from the reader to the computer. The PulseStar data is downloaded as a convenient ASCII text file for use in any database.

PulseStar (PS-048)

Physical	Sealed, plated, aluminum case that resists scratches, drops, and moisture
Weight	3.8 ounces (109 g)
Dimensions	5.1" L × 0.9" D (130 mm × 23 mm)
Memory	48KB
Storage Capacity	5400 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	Infrared pulses
Audio	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)
Humidity	95% noncondensing

Downloader (120V - PSD-000; 220V - PSD-F000)

Dimensions	4.0" × 4.1" × 1.9" (102 × 104 × 48 mm)
Weight	8.3 ounces (236 g)
Number of Readers	2
Connection	9 pin serial port
Operating Systems	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 × 0.12" H (16.3 × 3.2 mm), 5 mm button: 0.64" D × 0.23" H (16.3 × 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)