



## PulseStar®

### Portable Touch Button Reader

The PulseStar is Videx's most weather-resistant portable iButton reader and is designed for maximum durability for both indoor and outdoor applications. The PulseStar indicates a successful read with a pulsing vibration, instead of a beep. 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 iClock™ - type applications where the iButtons are on key fobs and used for time tracking and payroll.



#### Memory

The PulseStar has 48K of memory, enabling storage of 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 with the date and time.

#### 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 worry about 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. The compact, coin-shaped iButton is self-aligning with the PulseStar, allowing for quick, easy reads. With one touch, the PulseStar reads 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.

# Specifications

<b>PulseStar</b>	
Physical	Sealed; plated, aluminum case that resists scratches, drops, and moisture
Weight	3.7 ounces (105 g)
Dimensions	5-1/8" L; 15/16" D (130.2 x 23.8 mm)
Memory	48K
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 all 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
<b>Downloader</b>	
Dimensions	4.0" x 4.1" x 1.8" (102 x 105 x 46 mm)
Weight	8.2 ounces (232.5 g)
Number of Readers	2
Connections	Computer, Extension, Power, Standard RS232
Operating System	Windows
Power	120 V, 60 MHz; 220 V, 50 MHz
Indicator Lights	Transmit, Receive, Power
Serial Communication	Standard RS232
<b>iButton Specifications</b>	
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 x 3.2 mm), 5 mm button: 0.64" D x 0.23" H (16.3 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)

