

The i3200 series of iSite™ dataloggers combine an iSite™ 3000 controller with a i3100 sensor interface in the same enclosure together with network communications options. These dataloggers provide a robust self-contained unit in an easy to install package that survives harsh outdoor environments. Units under water for days have returned to full use after being dried out. Units power the sensors with individually control voltage. The i3200 can continually monitor each sensor to determine if an alarm value has been exceeded. Robust operating system supports push and pull of data from memory to external devices.



Power Supply

- ▶ Main Internal Battery: 3.6 vdc 7000 mAh NiMH rechargeable
- ▶ External: 7.5 to 20 vdc via Hirose miniature connector

Power Consumption

- ▶ Average current in standby mode: 10 ma
- ▶ Average current in continuous operations: 30 ma
- ▶ Average current in cell mode: 130 ma

Operating Environment

- ▶ Temperature: -25° to +80°C
- ▶ NEMA 4 moisture resistant enclosures

Peripheral Interfaces

- ▶ RS232 using 38,000-baud ASCII protocol with one start bit, one stop bit, eight data bits, no parity via Hirose miniature connector.

Standard Packages i3000-AA-BB-CC-DD

AA - sensor type

ANUNI	analog unipolar
ANBIP	analog bipolar
CUSTM	customized
DIGITL	digital I/O
SG120	strain gage 120 ohm
SG240	strain gage 240 ohm
SG350	strain gage 350 ohm
VBWIR	vibrating wire

- BB - number of sensors
 - 02 two channels
 - 04 four channels
 - 08 eight channels
 - 16 sixteen channels
- CC lightning protection
 - NO no lightning protection
 - LP with three stage lightning protection
- DD - enclosure
 - 01 metal with external bayonet connectors
 - 02 BS plastic with external bayonet connectors
 - 03 metal with external Hirose connectors
 - 04 plastic with external Hirose connectors
 - 05 metal with internal push pin connectors and moisture resistant cable glands
 - 06 plastic with internal push pin connectors and moisture resistant cable glands
- EE -- radio option
 - NO no radio
 - 9M 900 MHz
 - 2G 2.4 GHz spread spectrum
- FF - modem option
 - NO no modem
 - LL landline
 - CD CDMA (USA only)
 - G1 GSM800/1900 (NA only)
 - G2 GSM900/1800 (outside NA)

Example part numbers

For 8 channel data logger for vibrating wire sensors without lightning protection using plastic case and external bayonet connectors with CDMA cell modem, use i3100-VBWIR-08-NO-02-NO-CD

To interface 16 – 120 ohm strain gages with full bridge completion circuit and lightning protection in plastic case with internal push pin connectors and radio, use i3100-SG120-16-LP-06-9M-NO