



The i3200 series of iSite™ dataloggers combine an i3000 controller with a i3100 sensor device interface in a common standalone enclosure. As with the i3100, the i3200 can be ordered with a built-in radio and/or modem. The i3200 provides 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. The unit powers sensors with individually controlled voltage and can continually monitor each sensor to determine if an alarm value has been exceeded. The robust operating system supports push and pull of data from memory to external devices.

Example Part Numbers

- For 8 channel data logger for vibrating wire sensors without lightening 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 lightening protection in plastic case with internal push pin connectors and radio, use i3100-SG120-16-LP-06-9M-NO

SPECIFICATIONS:

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: 14 mA

Average current continuous operation with radio: 30 mA

Average current with cell modem: 140 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-XX-YY-ZZ

AA - Number of Sensors

- 02: Two channels
- 04: Four channels
- 08: Eight channels
- 16: Sixteen channels

BB - 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

CC - Lightning Protection

- NO: No lightning protection
- LP: With three stage lightning protection

DD - Enclosure

- 01: Metal with external bayonet connectors

02: ABS plastic with external bayonet connectors

03: Metal with external Hiroshie connectors

04: Plastic with external Hiroshie 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 Options

- NO: No modem
- LL: Landline
- CD: CDMA (USA only)
- G1: GSM800/1900 (NA only)
- G2: GSM900/1800 (outside NA)