



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 provides a telecommunication service by electronically transmitting data collected from sensors and instruments at remote locations. 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.

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

CUSTOM: 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)