



## SPECIFICATIONS

<b>Channels</b>	Standard 6-channel Q330-6 bandwidth-optimized 32-bit and 64-bit data paths
<b>Auxiliary Channels (Opt.)</b>	4/8 DI/SE 16-bit 1sps. Full scale range $\pm 50V$
<b>Dynamic Range</b>	132-135 dB wideband RMS typical. Typical band-limited 136 dB
<b>Format</b>	32-bit integer, Level 2 compressed 1-second packets
<b>Input Range</b>	40V P-P at gain=1
<b>Gain</b>	Selectable per channel: 1,30
<b>Filtering</b>	Linear or Minimum Phase FIR.
<b>Sample Rate</b>	200, 100, 50, 40, 20, 10, 1 Other rates available.
<b>Time Base</b>	Precision TCXO, locked to GPS. No adjustment.
<b>DSP/CPU</b>	ADSP-2189M
<b>Telemetry</b>	Full Duplex, efficient positive acknowledge with error control. UDP/IP over serial and Ethernet. Burst or continuous. Operates with major application software.
<b>Temperature</b>	Fully specified -20 to +50° C Operative -40 to +70° C
<b>Sensor Control</b>	Calibrate step, sine, or random. Recenter, on-command
<b>Operational Data</b>	Temperature, DC voltage, GPS status, Sensor boom position (6 channels)
<b>Memory</b>	32MB RAM standard
<b>Network</b>	IEEE 802 10Base-T Ethernet UDP/IP Protocol Stack
<b>Serial Ports</b>	2 serial telemetry and 1 console ports up to 115kbaud.
<b>Wireless</b>	IrDA interface supported.
<b>Power</b>	<0.6 W avg. 12VDC 3-channel <0.8 W avg. 12VDC 6-channel
<b>Physical</b>	Sealed, Aluminum, 14 X 4 X 6 in., 8 lbs., Rubber endcaps, visible status and fault indicators.