

Manufacturer	Power Features													Data Handling/Signal Conditioning Features										System/Networking Features			
	Power Features				Analog					Digital				Signal Conditioning Accommodates	Programmable	Configurable	Alarms			Data Sampling Rates per Channel (Max/Min)	On-Board Storage	Mag Tape/Disc Storage	Recorder	Media Used to Communicate	Plug & Play Connectivity		
	Power Source	Rechargeable Battery, Hours Between Charging	Primary Battery, Hours of Operation	Other	Operable Temp. Range in °C	Input Channels	Output Channels	MV/V Signal Range	4-20 mA Channels	Bridge/Differential Signal Channels	No. of Channels	A/D Conversion Resolution/Bits	No. of Counters				Max. Counting Rate	Alarms per Channel	Local Alarm Indication							Contact Closure	
Analog & Digital Peripherals Inc. 937/339-2241	AA,BB	8	8		-40 to 60°	8	2	5Vdc	1	8	4	10	4	100 KHz	AV,TH,RT,SG	●		1	●	●	100KHz 1Hz	MG MM	●	●	LP,WI	F,H,G	
Campbell Scientific 435/753-2342	SE AK	varies	varies	SC WG	-25 to 50°	16	3	±5V	8	8	8	13	2 +	20000 Hz	AV,DF,LC,RT,TH,SG,VW	●		unlimited	●	●	100KHz 30 min	MM MG SR	●	●	CT,DP,FO,LP,WI,DI	E,F,G,J,H	
Climatronics 631/567-7300	BB	2-4	720	SC	-40 to 70°	1-40		0-5VOC		0-20	8	12	3		RT,TH,SG,WS,LC,DF	●		●	●		MG	●	●	DP,LP,CT,WI,FO	F,H,G,E		
Coastal Environmental Systems 206/682-6048	00 12V	5-500	1-2yrs	SC WG	-40 to 60°	16-120	4 or 8	5mV-5V	16	7-60	15	±1-18	1-15	1-65536	ME,DF,LC,RT,SG,TH	●		infinite	●	●	10,00Hz 7 days	MG MM SR	●	●	CT,DP,FO,LP,WI	K,F,G,H	
Cole Parmer Instrument 847/549-7600, 800/323-4340	BB AT				-30-50	8	2	1-20V	2	4	8	16	2	32 bit	TH,LC,DF,AV	●		1	●	●	150 KS/s/ 1.2 KS/s	MM SS	●	●	DP,WI	D,E,F,G,H,I	
Environmental Systems Corp. 865/688-7900	BB			SC	0-50°	96		0.1-10V	96		2	0-2KHz				●		unlimited	●	●	1 Hz	MM MG		●	CT,DP,FO,LP,WI	E,F,G,H	
Global Water 916/638-3429	BB	3 months		SC	-40 to 170°	7			7		1	12	1			●				●	1 sample 32000 days	MG MM SR	●			F	
In-Situ Inc. 970/498-1500	AK,LI		5 yrs	SC WC	-40 to 70°	8	2	4-20	8						SG	●		1	●	●	30 sec-50 millisecond	MM			DP,LP,CT	F,G	
Instrumentation Northwest 425/822-4434	BB,LA AA	depends	up to 12 months	SC	-25 to 70	2-12	0-8	2500mV	2-12	0-6	0-3	12-24	0-2	250KHz	AV,DF,LC,RT,SG,TH	●		0-8	●	●	10 sec	MM SR MG			LP,DP,WI	E,F,G,H	
Instruments Direct Inc. 678/445-7675			1 yrs			1			1						DF			2			32,000	MM SR				F	
Met One Instruments Inc. 541/471-7111	BB			SC,TC WG		8-16	4-8	8-16	8-16	8	8	13	2	50KHz	RT,SG,TH	●		8	●	●	1K/1sec	MM MG	●		CT,DP,PO	F,G,K	
Novalynx Corp. 530/823-7185	BB GC	96		SC	-40 to 140	9	2	100mv, 5V			3	12	3	1KHz	RT,SG	●		2		●						DP,LP	F
Onset Computer Corp. 508/759-9500	AA		typically 1 yr		-40 to 70°	4 or 15		0-5V	up to 15			12				●					1/sec 1/9 hrs	MM	●		DP	F	
Science Electronics 937/224-4444	AA,BB		1 mo	SC,WG	-30-65°			±50mV-±10 mV			1	12	1	2KHz	TH,RT	●		1	●	●	10	MM			DP,LP,CT,WI	F	
Stevens Water Monitoring 503/469-8000	BB		varies	SC	-40 to 70°	2	1		2		1	8	2	1/sec	SG	●		2	●	●	1/sec 1/hr	MM	●	●	DP,LP,WI	F,N	
Sutron Corp. 703/406-2800	BB 12V		1 yr	SC	-40 to 55°	unltd	unltd	unltd	unltd	unltd	16	unltd			AV,DF,LC,SG,TH	●		5	●	●	100ms-1 day	MG MM			CT,DP,FO,LP,WI	A,E,F,H	
Telog Instruments 585/742-3000	●			SC	-20 to 60°	1-8		100mV-20V			1-6	12		100/s-20,000/s	RT,SG,TH	●		1	●	●	8 hr/1 sec	MM			DP,WI,LP,PO	F	
Testo Inc. 973/252-1720, 800/227-0729	BB					2	2	0-10 VDC	1						TH,RT	●		1	●		1 sec-1 day	MM	●	●	WI	F,H	
Unidata America 503/697-3570	BB,NI	1000	9,000	SC WG	-20 to 60°	16	16	±1-5mV-±5V	16	8	2	16	4	20kHz	SG, TH	●		255		●	8 Hz 0.003Hz	MM			DP	F	
Zetron Inc. 425/820-6363	BB			SC	0-50°	76	96	±10Vac 4-20mA	>176		>256	12		1KHz		●		program	●	●	1/sec program	MM			DP,WI	E,F	

**Power Sources**

- AA AA Battery
- AK Alkaline
- AT AAA Battery
- BB 120 Vac Line Operated
- DC D-cell Battery
- GC Gel Cell
- LA Lead Acid
- LI Lithium
- NI NiCD
- SC Solar Cells
- SE Sealed Cells
- TC Thermal Converters
- WG Wind Generators

**Signal Conditioning Accommodates**

- AV Accelerometers/Vibration Sensors
- DF Differential Flowmeter Signals
- LC Load Cells
- ME Meteorological
- RT RTDs
- SG Strain Gages
- TH Thermocouples
- VW Vibrating wire sensor

**Data Storage**

- MG Megabytes
- MM Memory
- SR Sample Readings

**Media Used**

- CT Coax or Twisted Pair Network
- DI Direct
- DP Dial-up Phone Line
- FO Fiber Optic Cable
- LP Leased Phone Line
- PO Power Line
- WI Wireless

**Plug and Play Connectivity**

- D IEEE-488
- E Modbus
- F RS-232
- G RS-422
- H RS-485
- I Interbus-S
- J Ethernet
- K SDI-12