DATALOGGERS

Company	Power Features: Power Source	Rechargeable Battery, Hours Between Charging	Primary Battery, Hours of Operation	Other	Operable Temp. Range in °C	Analog: Input Channels	Output Channels	MV/V Signal Range	4-20 mA Channels	Bridge/Differential Signal/Channels	Digital: No. of Channels	A/D Conversion Resolution/Bits	No. of Counters	Max. Counting Rate	Data Handling/Signal Conditioning Features: Signal Conditioning Accomodates	Alarms: Programmable	Alarms: Configurable	Alarms per Channel	Local Alarm Indicattion	Contact Closure	Data Sampling Rate per Channel (Max/Min)	On-Board Storage	Mag Tape/Disc Storage	Recorder	System/ Networking Features: Media Used to Communicate	Plug & Play Connectivity
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	OO 12V	5-500	1-2 yrs	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	●	●	10,000Hz 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		5yrs	SC WC	-40 to 70°	8	2	4-20	8						SG	●		1	●	●	30 sec - 50 millisec	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	250 KHz	AV,DF,LC RT,SG,TH	●	●	0-8	●	●	10 sec	MM SR			LP,DP,WI	E,F,G,H
Instruments Direct Inc. 678/445-7675			1 yr			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 530/823-7185	BB GC	5 hrs		SC				100mv, 5V	1		3	10	3	10KHz	RT			2		●	5 sec	MG			DP,LP WI	E,F,G H
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
Otek Corp. 520/748-7900, 877/227-6835	BB				-10-70°	48 or		±100mV-500VDC	48 or 24		48	16	6	200KHz	ALL	●	●	2	●	●	60/3	MM SR,MG			DP,WI	E,F,G,H
Schlumberger Water Services 579-746-1798	LI		87,360 hrs		-40 to 80°												●					MM	●		WI	
Stevens Water Monitoring 503/469-8000	BB		varies	SC	- 40 to 70°	2	1		2		1	8	2	1/sec	SG	●		2	●	●	1/sec	MM	●	●	DP,LP,WI	F,N
Sutron Corp. 703/406-2800	BB 12V		1 yr	SC	-40 to 55°	unltd	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	BB		6 months	SC	-20 to 60°	1-8		500 to 500mV			1-6	12	6	20,000/s	RT,TH	●		4	●	●	8 hr/20 sec	MM		●	DP,WI,LP CT	F H,E
Testo Inc. 973/252-1720, 800/227-0729	BB					2	2	0-10 VDC	1						TH,RT	●		1	●		1sec-1day	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	●		225		●	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		●	1sec program	MM			DP,WI	E,F

KEY

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 Accomodates

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