

LEVEL INSTRUMENTATION

Manufacturer	Types of Stored Materials			Basic Sensing Method	Performance Characteristics		Signalling and Data Communication Features									
	Liquids	Thick Slurries/Sludges	Bulk Solids		Primary Point Controls or Level Switches (Typical Installed Accuracy)	Level Sensor Signal Range/Typical Installed Accuracy	On-Off Contacts	4-20 mA Output	Digital Output	Dedicated Signal Leads	Telephone Line Telemetry	Wireless Telemetry	Power Line Telemetry	Fiber Optic Telemetry	Network Connectivity	Smart Level Controls Built-in 2-way Communication
Ametek Drexelbrook 610/647-2121	●	●	●	MS,CA,UL,RA MF,CO,VI,FL	±2 mm"	0-100%/ ±1% of span	●	●	●	●	●	●	●	●	H,M	●
Anchor Scientific Inc 952/473-7115	●	●	●	FL	2"		●									
Babbitt International Inc. 713/467-4438	●	●	●	MF,MS,LG,RA CA,UL	1/4"	100%/25%	●	●	●	●						
Bindicator 864/574-8060	●	●	●	MS,DS,DI,LG,RE,CO,CA PD,MI,PW,VI,FL,OP	±1/8" TO 1"	160'±0.1%	●	●	●	●	●	●		M	●	
BinMaster Level Contrls 402/434-9102	●	●	●	MI,CA,PW,VI UL,RA,LG	●	180'/.01	●	●	●	●	●	●		M P,E	●	
Cole-Parmer Instrument 847/549-7600, 800/323-4340	●	●	●	FL,MF,MS,DS,CO,CA,UL OP	±2mm	6"to25' ±25% of span	●	●								
Control Electronics Inc. 610/942-3190	●	●	●	UL		0-20'±1%	●	●	●	●						
Dwyer Instruments Inc. 219/879-8000, 800/872-9141	●	●	●	FL,MF,PR,DS,TH,CA,OP	●		●									
Fluid Components International 760/744-6950	●	●	●	TH	0.5%		●									
Gizmo Engineering 585/301-0970	●	●	●	FL	±0.2"		●		●		●					
Global Water Instrumentation 916/638-3429	●	●	●	PR, UL	0.2% FS	0-500/ 0.2 FS	●									
Hach Co. 970/669-3050	●	●	●	BU,PR,UL,FL,PW	●		●									
Harwil Corp. 805/988-6800, 800/562-2447	●	●	●	FL		1/4-5'/ ±5%	●		●							
Highland Tank 814/893-5701	●	●	●	FL	5%		●									
In-Situ Inc. 970/498-1500	●	●	●	PR		5-500psi/ ±0.1%	●	●	●	●	●			R2 R4	●	
Instrumentation Northwest 425/822-4434, 800/776-9355	●	●	●	PR		0-300 psi,1%	●	●		●	●					
Instruments Direct 888/722-5543	●	●	●	PR,UL,RA	±0.25% of range	0-50'±0.025%	●	●	●							
Jowa Consilium US Inc. 978/486-9800	●	●	●	LG,UL,PR,RE		0-100'1/4"	●				●					
Kavlico Corp. 805/523-2000	●	●	●	PR		10-100' H2O/ ±0.05% FS TEB										
Kobold Instruments Inc. 800/998-1020	●	●	●	FL,MF,LG,TH,CA,PR,DS UL,OP,VI,PW,MS,IR		up to 400' ±0.5% FS	●	●								
KPSI Transducers Pressure Ss 757/865-1243	●	●	●	LG		4600'±0.1%FSO	●	●						R4 S,M	●	
Markland Specialty Engineering 416/244-4980	●	●	●	UL,IR,OP	±1"	4-8'±0.75"	●	●								
Marrsh McBirney, Hach Co Brand 301/874-5599	●	●	●	UL												
Monitor Technologies Inc. 800/766-6786	●	●	●	LG,CA,RA,UL,PW,VI MI,DI	●	0-150'±0.25%	●	●	●	●	●	●				
Monitrol Mfg. Co. Inc. 903/561-0742	●	●	●	FL,MF,MS,DI,LG,LA CA,UL,RA,MI,PW,VI	1/10 of 1%	200'/ 1/10-1%	●	●	●	●	●					
Omega Engineering Inc. 203/359-1660, 800/8826-6350	●	●	●	FL,MF,PR,LG,RE,CO,TH CA,UL,RA,OP,PW,VI	2mm	1.2-30.5m/ 0.25%	●	●	●							
PGK Inc. 425/432-0945	●	●	●	FL,MF	±1/4"	75'										
Princo Instruments Inc. 215/355-1500	●	●	●	CA,UL,VI,PR	<.5%	200'<.5%	●	●	●							
S T I Controls LP 630/969-4028	●	●	●	FL,MF,MS,TH,CA UL,RA,DS,VI	varies	varies	●	●	●							
Sethco Div/Met-Pro Corp. 215/799-2577, 800/645-0500	●	●	●	MF	.5%											
Siemens Energy & Automation 215/646-7400	●	●	●	PR,CA,UL,RA,PW,VI	±1%	0-20'/ 0.15-3%	●	●	●	●	●			P H	●	
Stevens Water Monitoring 503/469-8000, 800/452-5272	●	●	●	LG, CO,FL,PR,UL BU,RE,CA,OP		typically 4-20 mA	●	●	●	●	●					
Telog Instruments Inc. 585/889-7222	●	●	●	PR,DIUL		1-500'±0.25%			●		●					
Unidata America 503/697-3570	●	●	●	FL		655'/ .01'	●	●								

KEY
 BU Bubbler
 CA Capacitance; RF or Impedance
 CO Conductivity
 DI Diaphragm or Extended Diaphragm
 DS Displacement
 FL Float
 IR IR
 LG Level Gages
 MF Magnetic Float
 MI Microwave
 MS Magnetostrictive
 OP Optical
 PR Pressure/dP
 PW Paddle Wheel
 PD Phase Difference
 RA Radar
 RE Resistance
 TH Thermal/Temp
 UL Ultrasonics
 VI Vibration
NETWORK CAPABILITY
 H Hart Protocol
 M Modbus
 P Profibus
 R2 RS-232
 R4 RS-485
 S SDI-12