True level control with Echomax transducers

For unmatched non-contacting ultrasonic level measurement

Echomax

Answers for industry.

SIEMENS

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Siemens' Echomax® ultrasonic transducers give you trouble-free, reliable performance. Siemens complete line of transducers is the logical choice for monitoring levels of liquids, slurries and solids in a wide range of industries. Our transducers are robust. They are impervious to dust, moisture, vibrations, flooding and extreme temperatures. Non-contacting ultrasonic technology means no material build-up, no corrosion and no down-time and they are easy to install and virtually maintenance free.

With every transducer you purchase, you also get:

- Sonic Intelligence® – when paired with a Siemens controller our field-proven echo processing algorithms guarantee the most reliable performance available
- Unmatched beam angle – stronger pulse and sensitivity in a compact beam make our ultrasonics transducers the most accurate in the industry
- Million in one – our products have the field experience of over a million points of level built into every device
- Global network – sales and support in your neighborhood. Our extensive global coverage means you get sales and support when and where you need it.

	XRS-5	ST-H	XPS-10 (standard and F models*)	XPS-15 (standard and F models*)	XPS-30	XPS-40	XCT-8	XCT-12	XLT-30	XLT-60
Applications	Liquids	Liquids	Liquids/solids	Liquids/solids	Liquids/solids	Liquids/solids	Liquids/solids	Liquids/solids	Solids	Solids
Temp.	Standard	Standard	Standard	Standard	Standard	Standard	High temp.	High temp.	High temp.	High temp.
Max. range	8 m (26 ft)	10 m (33 ft)	10 m (33 ft)	15 m (50 ft)	30 m (100 ft)	40 m (130 ft)	8 m (26 ft)	12 m (40 ft)	30 m (100 ft)	60 m (200 ft)
Min. range	0.3 m (1 ft)	0.3 m (1 ft)	0.3 m (1 ft)	0.3 m (1 ft)	0.6 m (2 ft)	0.9 m (3 ft)	0.6 m (2 ft)	0.6 m (2 ft)	0.9 m (3 ft)	1.8 m (6 ft)
Max. temp	65 °C (149 °F)	CSA/FM model: 73 °C (163 °F) ATEX model: 60 °C (140 °F)	95 °C (203 °F)	95 °C (203 °F)	95 °C (203 °F)	95 °C (203 °F)	145 °C (293 °F) Sanitary: 125 °C (260 °F)	145 °C (293 °F)	150 °C (300 °F)	150 °C (300 °F)
Min. temp	-20 °C (-4 °F)	CSA/FM model: -40 °C (-40 °F) ATEX model: -20 °C (-5 °F)	-40 °C (-40 °F)	-40 °C (-40 °F)	-40 °C (-40 °F)	-40 °C (-40 °F)	-40 °C (-40 °F)	-40 °C (-40 °F)	-40 °C (-40 °F)	-40 °C (-40 °F)
Typical Applications	• Flumes • Weirs • Filterbeds	• Chemical storage • Liquid tanks	• Dusty solids • Slurries • Liquids	• Deep wet wells • Solids	• Powders • Pellets • Solids	• Powders • Pellets • Solids	• Hot acids • Slurries • Food	• Hot liquids • Slurries	• Clinker • Coal bunkers	• Clinker • Coal bunkers
Frequency	44 kHz	44 kHz	44 kHz	44 kHz	30 kHz	22 kHz	44 kHz	44 kHz	22 kHz	13 kHz
Beam angle -3db	10°	12°	12°	6°	6°	6°	12°	6°	5°	5°
Process connection	1" NPT or R 1" BSPT, EN 10226	2" NPT or R 2" BSPT or G 2" BSPP	1" NPT or R 1" BSPT, EN 10226 F: 1" NPT	1" NPT or R 1" BSPT, EN 10226 F: 1" NPT	R 1.5" BSPT Universal thread 1.5" NPT	R 1.5" BSPT Universal thread 1.5" NPT	1" NPT or R 1" BSPT, EN 10226	1" NPT or R 1" BSPT, EN 10226	1" NPT	1" NPT
Enclosure	• PVDF copolymer and CSM face **Option** • Flange with PTFE facing	• ETFE • PVDF	• PVDF **Option** • PTFE face with CPVC flange	• PVDF **Option** • PVDF with CPVC Flange • PTFE face with CPVC flange	• PVDF **Option** • PVDF with CPVC flange • PTFE face with CPVC flange	PVDF	• PVDF **Option** • DERAKANE® flange; PTFE face with universal PVDF flange	• PVDF **Option** • DERAKANE flange. PTFE face with universal PVDF flange	• Aluminum • 304 stainless steel • Polyester • Silicone	• Aluminum • 304 stainless steel • Polyester • Silicone
Compatible with Siemens Milltronics ultrasonic controllers										
SITRANS LU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SITRANS LUC500	✓	✓	✓	✓			✓	✓		
Hydro-Ranger 200	✓	✓	✓	✓			✓	✓		
MultiRanger 100/200	✓	✓	✓	✓			✓	✓		
OCM III	✓									

All Siemens Milltronics transducers have one or more of the following approvals: CE, CSA, FM, ATEX, SAA, ABS, and Lloyd's Register of Shipping.
*FM approved. Echomax is a registered trademark of Siemens Milltronics Process Instruments Inc. DERAKANE® is a registered trademark of Ashland Inc.

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