

Selection and Ordering data		Order No.	
Echomax XPS-10 ultrasonic transducer		C)	7ML 1 1 1 5 -
Two-wire connection (hardware), integral temperature sensor, measuring range: min.0.30 m, max.10 m			0
Mounting thread and facing			
1" NPT (ANSI/ASME B1.20.1)		0	
1" NPT (ANSI/ASME B1.20.1) with foam facing, not available with flanged versions		1	
1" NPT (ANSI/ASME B1.20.1) with PTFE facing, available for flanged versions only		2	
1" BSPT (EN 10226-1)		3	
1" BSPT (EN 10226-1) with foam facing, not available with flanged versions		4	
1" BSPT (EN 10226-1) with PTFE facing, available for flanged versions only		5	
Cable length			
5 m		B	
10 m		C	
30 m		E	
50 m		F	
100 m		K	
Mounting flange			
None		A	
3" ANSI, 150 lbs		C	
4" ANSI, 150 lbs		D	
6" ANSI, 150 lbs		E	
8" ANSI, 150 lbs		F	
DN 80, PN 10/16		G	
DN 100, PN 10/16		J	
DN 150, PN 10/16		L	
JIS10K3B Style		M	
JIS10K4B Style		P	
JIS10K6B Style		R	
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1, or JIS B 2238 standard.)			
Approvals			
ATEX II 2 GD, FM Class I Div. 2, SAA Class I Zone 1		3	
CSA Class I Div. 1 ¹⁾		4	

Selection and Ordering data		Order No.	
Instruction manual			
Quick Start Manual, multi-language		C)	7ML1998-5QM82
Note: Due to ATEX regulations, one Quick Start Manual is included with every transducer.			
Applications Guidelines, multi-language		C)	7ML1998-5HV61
Note: The Applications Guidelines should be ordered as a separate line item on the order.			
Accessories			
Tag, stainless steel with hole, 12 x 45 mm (0.47 x 1.77"), one text line for fastening on sensors			PBD-45000787
Submergence shield kit			7ML1830-1BH
Easy Aimer II, NPT with 3/4" x 1" PVC coupling			7ML1830-1AQ
Easy Aimer II, Aluminum with M20 adapter and 1" and 1½" BSP aluminum couplings			7ML1830-1AX
Easy Aimer 304, with stainless steel coupling			7ML1830-1AU
Easy Aimer 304, with M20 adapter and 1" and 1½" BSP 304 SS couplings			7ML1830-1GN
Universal Box Bracket, Mounting Kit			7ML1830-1BK
Channel Bracket, Wall Mount			7ML1830-1BL
Extended Channel Bracket, Wall Mount			7ML1830-1BM
Channel Bracket, Floor Mount			7ML1830-1BN
Extended Channel Bracket, Floor Mount			7ML1830-1BP
Bridge Channel Bracket, Floor Mount (See Mounting Brackets on page 5/114 for more information)			7ML1830-1BQ
1" NPT locknut, plastic			7ML1830-1DS
1" BSP locknut, plastic			7ML1830-1DR
Split flanges			
3", Aluminum			7ML1830-1AV
3", 304 Stainless Steel			7ML1830-1AW
Gasket Kit 3"			PBD-61007151
4", Aluminum		C)	7ML1830-1BA
4", 304 Stainless Steel		C)	7ML1830-1BB
Gasket Kit 4"			PBD-61007152
6", Aluminum			7ML1830-1BC
6", 304 Stainless Steel			7ML1830-1BD
Gasket Kit 6"			PBD-61007153
Instruction manual			7ML1998-1EP01

1) Valid with mounting thread and facing options 0, 1 and 2 only.

Ordering data	Order No.
Echomax XPS-10F ultrasonic transducer C) 7ML1170- Two-wire connection (hardware), integral temperature sensor, measuring range: min.0.30m, max.10m	
Mounting thread and facing 1" NPT (ANSI/ASME B1.20.1)	1
Cable length 5 m 10 m 30 m 50 m 100 m	B C D E F
Mounting flange, flush mount None 3" ANSI, 150 lbs 4" ANSI, 150 lbs 6" ANSI, 150 lbs 8" ANSI, 150 lbs (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1, or JIS B 2238 standard.)	A B C D E
Approvals FM Class I Div. 1	1
Instruction manual English C) 7ML1998-1DU01 Note: The Instruction manual should be ordered as a separate line item on the order. Applications Guidelines, multi-language C) 7ML1998-5HV61 Note: The Applications Guidelines should be ordered as a separate line item on the order.	
Accessories Tag, stainless steel with hole, 12 x 45 mm (0.47 x 1.77"), one text line for fastening on sensors PBD-45000787 Submergence shield kit 7ML1830-1BH Easy Aimer II, NPT with 3/4" x 1" PVC coupling 7ML1830-1AQ Easy Aimer II, Aluminum with M20 adapter and 1" and 1½" BSP aluminum couplings 7ML1830-1AX Easy Aimer 304, with stainless steel coupling 7ML1830-1AU Easy Aimer 304, with M20 adapter and 1" and 1½" BSP 304 SS couplings 7ML1830-1GN Universal Box Bracket, Mounting Kit 7ML1830-1BK Channel Bracket, Wall Mount 7ML1830-1BL Extended Channel Bracket, Wall Mount 7ML1830-1BM Channel Bracket, Floor Mount 7ML1830-1BN Extended Channel Bracket, Floor Mount 7ML1830-1BP Bridge Channel Bracket, Floor Mount 7ML1830-1BQ (See Mounting Brackets on page 5/114 for more information) 1" NPT locknut, plastic 7ML1830-1DS 1" BSP locknut, plastic 7ML1830-1DR	
Split flanges 3", Aluminum 7ML1830-1AV 3", 304 Stainless Steel 7ML1830-1AW Gasket Kit 3" PBD-61007151 4", Aluminum C) 7ML1830-1BA 4", 304 Stainless Steel C) 7ML1830-1BB Gasket Kit 4" PBD-61007152 6", Aluminum 7ML1830-1BC 6", 304 Stainless Steel 7ML1830-1BD Gasket Kit 6" PBD-61007153 Instruction manual 7ML1998-1EP01	

C) Subject to export regulations AL: N, ECCN: EAR99.

Selection and Ordering data		Order No.
Echomax XPS-15 ultrasonic transducer Two-wire connection (hardware), integral temperature sensor, measuring range: min 0.3m, max. 15 m	C)	7 ML 1 1 1 8 -
		0
Mounting thread and facing 1" NPT (ANSI/ASME B1.20.1) 1" NPT (ANSI/ASME B1.20.1) with foam facing, not available with flanged versions 1" NPT (ANSI/ASME B1.20.1) with PTFE facing, available for flanged versions only 1" BSPT (EN 10226-1) 1" BSPT (EN 10226-1) with foam facing, not available with flanged versions 1" BSPT (EN 10226-1) with PTFE facing, available for flanged versions only		0 1 2 3 4 5
Cable length 5 m 10 m 30 m 50 m 100 m		B C E F K
Mounting flange None 6" ANSI, 150lb 8" ANSI, 150lb DN 150, PN 10/16 DN 200, PN 10/16 JIS10K 6B JIS10K 8B (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1, or JIS B 2238 standard.)		A D E J K N P
Approvals ATEX II 2 GD, FM Class I Div. 2, SAA Class I Zone 1 CSA Class I Div. 1		3 4
Instruction manual Quick Start Manual, multi-language Note: Due to ATEX regulations, one Quick Start Manual is included with every transducer. Applications Guidelines, multi-language Note: The Applications Guidelines should be ordered as a separate line item on the order.	C)	7ML1998-5QM82
	C)	7ML1998-5HV61
Accessories Tag, stainless steel with hole, 12 x 45 mm (0.47 x 1.77"), one text line for fastening on sensors Submergence Shield Kit Universal Box Bracket, Mounting Kit Channel Bracket, Wall Mount Extended Channel Bracket, Wall Mount Channel Bracket, Floor Mount Extended Channel Bracket, Floor Mount Bridge Channel Bracket, Floor Mount (See Mounting Brackets on page 5/114 for more information) 1" NPT locknut, plastic 1" BSP locknut, plastic Easy Aimer II, with PVC coupling Easy Aimer II, Aluminum with M20 adapter and 1" and 1½" BSP aluminum couplings Easy Aimer 304 with stainless steel coupling Easy Aimer 304, with M20 adapter and 1" and 1½" BSP 304 SS couplings		PBD-45000787 7ML1830-1BJ 7ML1830-1BK 7ML1830-1BL 7ML1830-1BM 7ML1830-1BN 7ML1830-1BP 7ML1830-1BQ 7ML1830-1DS 7ML1830-1DR 7ML1830-1AQ 7ML1830-1AX 7ML1830-1AU 7ML1830-1GN
Split flanges Split Flanges 6" Aluminum Split Flanges 6" Stainless Steel Split Flanges Gasket Kit 6" Split Flanges Instruction manual		7ML1830-1BE 7ML1830-1BF PBD-61007153 7ML1998-1EP01

Selection and Ordering data		Order No.
Echomax XPS-15F ultrasonic transducer Two-wire connection (hardware), integral temperature sensor, measuring range: min. 0.3m, max. 15m	C)	7 ML 1 1 7 1 -
		0
Mounting thread and facing 1" NPT (ANSI/ASME B1.20.1)	1	
		B C D E F
Cable length 5 m 10 m 30 m 50 m 100 m		
Mounting flange, flush mount None 6" ANSI, 150lb 8" ANSI, 150lb (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1, or JIS B 2238 standard.)		A B C
Approvals FM Class I Div. 1		1
Instruction manual English Note: The Instruction manual should be ordered as a separate line item on the order. Applications Guidelines, multi-language Note: The Applications Guidelines should be ordered as a separate line item on the order.	C)	7ML1998-1DU01
	C)	7ML1998-5HV61
Accessories Tag, stainless steel with hole, 12 x 45 mm (0.47 x 1.77"), one text line for fastening on sensors Submergence Shield Kit Universal Box Bracket, Mounting Kit Channel Bracket, Wall Mount Extended Channel Bracket, Wall Mount Channel Bracket, Floor Mount Extended Channel Bracket, Floor Mount Bridge Channel Bracket, Floor Mount (See Mounting Brackets on page 5/114 for more information) 1" NPT locknut, plastic 1" BSP locknut, plastic Easy Aimer II, with PVC coupling Easy Aimer II, Aluminum with M20 adapter and 1" and 1½" BSP aluminum couplings Easy Aimer 304 with stainless steel coupling Easy Aimer 304, with M20 adapter and 1" and 1½" BSP 304 SS couplings Split Flanges 6" Aluminum Split Flanges 6" Stainless Steel Split Flanges Gasket Kit 6" Split Flanges Instruction manual		PBD-45000787 7ML1830-1BJ 7ML1830-1BK 7ML1830-1BL 7ML1830-1BM 7ML1830-1BN 7ML1830-1BP 7ML1830-1BQ 7ML1830-1DS 7ML1830-1DR 7ML1830-1AQ 7ML1830-1AX 7ML1830-1AU 7ML1830-1GN 7ML1830-1BE 7ML1830-1BF PBD-61007153 7ML1998-1EP01

C) Subject to export regulations AL: N, ECCN: EAR99.

Selection and Ordering data		Order No.	
Echomax XPS-30 ultrasonic transducer		C)	7 M L 1 1 2 3 -
Two-wire connection (hardware), integral temperature sensor, measuring range: min. 0.6m, max. 30m			0
Mounting thread and facing			
1½" BSPT (EN 10226-1)/NPT (ANSI/ASME B1.20.1)		0	
1½" BSPT (EN 10226-1)/NPT (ANSI/ASME B1.20.1), foam facing, not available with flanged versions		1	
1½" BSPT (EN 10226-1)/NPT (ANSI/ASME B1.20.1), PTFE facing, available for flanged versions only		2	
Cable length			
5 m		B	
10 m		C	
30 m		E	
50 m		F	
100 m		K	
Mounting flange			
None		A	
Flange 6" ANSI		D	
Flange 8" ANSI		E	
Flange DN 150, PN 10/16		J	
Flange DN 200, PN 10/16		K	
Flange JIS10K 6B		N	
Flange JIS10K 8B		P	
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1, or JIS B 2238 standard.)			
Approvals			5
ATEX II 2G 1D, FM Class I Div 2, SAA			
Instruction manual			
Quick Start Manual, multi-language		C)	7ML1998-5QM82
Note: Due to ATEX regulations, one Quick Start Manual is included with every transducer.			
Applications Guidelines, multi-language		C)	7ML1998-5HV61
Note: The Applications Guidelines should be ordered as a separate line item on the order.			
Accessories			
Tag, stainless steel with hole, 12 x 45 mm (0.47 x 1.77"), one text line for fastening on sensors			PBD-45000787
1½" BSP locknut, plastic			7ML1830-1DP
Easy Aimer II NPT 1½" Galvanized			7ML1830-1AN
Easy Aimer II NPT 1½" with Stainless Steel coupling			7ML1830-1AT
Easy Aimer II, Aluminum with M20 adapter and 1" and 1½" BSP aluminum couplings			7ML1830-1AX
Easy Aimer 304, with M20 adapter and 1" and 1½" BSP 304 SS couplings			7ML1830-1GN

C) Subject to export regulations AL: N, ECCN: EAR99.

Selection and Ordering data		Order No.	
Echomax XPS-40 ultrasonic transducer		C)	7 M L 1 1 2 7 -
Two-wire connection (hardware), integral temperature sensor, measuring range: min. 0.9m, max. 40m			0
Mounting thread and facing			
1½" BSPT (EN 10226-1)/NPT (ANSI/ASME B1.20.1)		0	
1½" BSPT (EN 10226-1)/NPT (ANSI/ASME B1.20.1), foam facing		1	
Cable length			
5 m		B	
10 m		C	
30 m		E	
50 m		F	
100 m		K	
Mounting flange			
None		A	
Approvals			5
ATEX II 2G 1D, FM Class I Div 2, SAA			
Instruction manual			
Quick Start Manual, multi-language		C)	7ML1998-5QM82
Note: Due to ATEX regulations, one Quick Start Manual is included with every transducer.			
Applications Guidelines, multi-language		C)	7ML1998-5HV61
Note: The Applications Guidelines should be ordered as a separate line item on the order.			
Accessories			
Tag, stainless steel with hole, 12 x 45 mm (0.47 x 1.77"), one text line for fastening on sensors			PBD-45000787
1½" BSP locknut, plastic			7ML1830-1DP
Easy Aimer II NPT 1½" Galvanized			7ML1830-1AN
Easy Aimer II NPT 1½" with Stainless Steel coupling			7ML1830-1AT
Easy Aimer II, Aluminum with M20 adapter and 1" and 1½" BSP aluminum couplings			7ML1830-1AX
Easy Aimer 304, with M20 adapter and 1" and 1½" BSP 304 SS couplings			7ML1830-1GN

C) Subject to export regulations AL: N, ECCN: EAR99.

Selection and Ordering data		Order No.
Echomax XCT-12 ultrasonic transducer Two-wire connection (hardware), integral temperature sensor, measuring range: min.0.45m, max.12m		C) 7ML 1 1 3 6 - 0
Mounting thread and facing 1" NPT (ANSI/ASME B1.20.1) 1" NPT (ANSI/ASME B1.20.1), PTFE facing, available for flange options U only 1" BSPT (EN 10226-1) 1" BSPT (EN 10226-1), PTFE facing, available for flange options U only		0 1 2 3
Cable length 1 m 5 m 10 m 30 m 50 m 100 m		A B C E F K
Mounting flange None 6" ANSI, 150 lbs 8" ANSI, 150 lbs DN 150, PN 10/16 DN 200, PN 10/16 JIS10K 6B JIS10K 8B (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5 or EN 1092-1 or JIS B 2238 standard.) 6" universal for 6" ANSI, DIN 150 or JIS 10K6B style		A D E J K N P U
Approvals ATEX II 2G, FM Class I, Div. 2, SAA CSA Class I, Div. 1, available with process connection and facing option 0 or 2 only		3 4
Instruction manual Quick Start Manual, multi-language Note: Due to ATEX regulations, one Quick Start Manual is included with every transducer. Applications Guidelines, multi-language Note: The Applications Guidelines should be ordered as a separate line item on the order.		C) 7ML1998-5QM82 C) 7ML1998-5HV61
Accessories Tag, stainless steel with hole, 12 x 45 mm (0.47 x 1.77"), one text line for fastening on sensors Submergence Shield Kit Universal Box Bracket, Mounting Kit Channel Bracket, Wall Mount Extended Channel Bracket, Wall Mount Channel Bracket, Floor Mount Extended Channel Bracket, Floor Mount Bridge Channel Bracket, Floor Mount (See Mounting Brackets on page 5/114 for more information) 1" NPT locknut, plastic 1" BSP locknut, plastic Easy Aimer 304 with stainless steel coupling Easy Aimer II, Aluminum with M20 adapter and 1" and 1½" BSP aluminum couplings Easy Aimer 304, with M20 adapter and 1" and 1½" BSP 304 SS couplings Split Flanges 6" Aluminum Split Flanges 6" Stainless Steel Split Flanges Gasket Kit 6" Split Flanges Instruction manual		PBD-45000787 7ML1830-1BJ 7ML1830-1BK 7ML1830-1BL 7ML1830-1BM 7ML1830-1BN 7ML1830-1BP 7ML1830-1BQ 7ML1830-1DS 7ML1830-1DR 7ML1830-1AU 7ML1830-1AX 7ML1830-1GN 7ML1830-1BE C) 7ML1830-1BF PBD-61007153 7ML1998-1EP01

C) Subject to export regulations AL: N, ECCN: EAR99.

Refer to page 5/113 for split flanges for XCT-12/XPS-15 transducers.