

C-RS Specifications

Transducer Type

Clamp-on

Applications

Liquid or gas (acoustically conductive fluids)

Compatible Meters

Liquid: PT878, XMT868i, DF868, or AT868
 Gas: PT878GC, GC868, or CTF878

Frequency

0.5 MHz (pipe sizes: 2" to 300" typical)
 1 MHz (pipe sizes: 2" to 300" typical)
 2 MHz (pipe sizes: 2" to 8" typical)

Final transducer selection based on application, fluid, pipe wall, pipe size, etc.

Process Temperature

-40°C to 150°C (-40°F to 302°F)

Ambient Temperature

CSA: -40°C to 75°C (-40°F to 167°F)
 ATEX: -20°C to 75°C (-4°F to 167°F)

Hazardous Area Classifications

US/CAN Class 1, Division 1, Groups B-D
 ATEX II 2 GD Ex md IIC T6

Environmental

IP66/NEMA 4X (with appropriate junction box)
 IP68 (with submersible connector and cable)

Materials of Construction

316SS and plastic

Connector Type:

BNC

Clamping Fixtures

Liquid: CF, SCF, MC, or UC
 Gas: PCFG, CFG, or CFT

Couplant

Solid couplant (CPL-8)
 Liquid couplant (CPL-1,2, or 3)

C-RS Transducer Part Numbers

A	B	C	D	
				Model
C	RS			Pair of high performance clamp-on transducers. Process temperature range: -40 to 150 C Certified for use in hazardous areas (with appropriate junction box from Category C)
				Transducer Number
	401			0.5 MHz Operating Frequency
	402			1.0 MHz Operating Frequency
	403			2.0 MHz Operating Frequency
				Junction Box
		0	Junction Box - None	
		AX	North American Junction Box (IMO 145) - Cl1, Div 1, Group B-D	
		EX	European Junction Box (IMO-60) - ATEX Ex d IIC T6	
		EXSS	Flameproof stainless steel junction box (IP65) - ATEX Ex d IIC T6	
		SUB	Submersible (no junction box, not hazardous area certified, requires appropriate connection on flow meter cable)	
				Miscellaneous
			0	None
			S	Special - Consult Factory



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