GE Measurement & Control

C-RS

Panametrics Clamp-on Transducers for Liquid or Gas Flow



Applications

Paired with a GE ultrasonic flow transmitter, the C-RS transducers provide a quality clamp-on flow measurement in applications such as:

- Hydrocarbon liquids
- Crude oil
- Lubricating oils
- Diesel fuel oils
- Solvents
- Water and wastewater
- Hot/chilled water
- Chemicals
- Beverages
- Other industrial fluids

Features and Benefits

- High performance clamp-on transducers
- Extremely simple setup and installation
- Suitable for a wide range of pipe sizes and materials
- Hazardous area certified
- Weatherproof IP66 (or optional IP68)



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

Α	-	В	-	С	-	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
		301)		appropriate connection on flow meter cable)
Miscellaneous							
						0	None
						S	Special - Consult Factory

