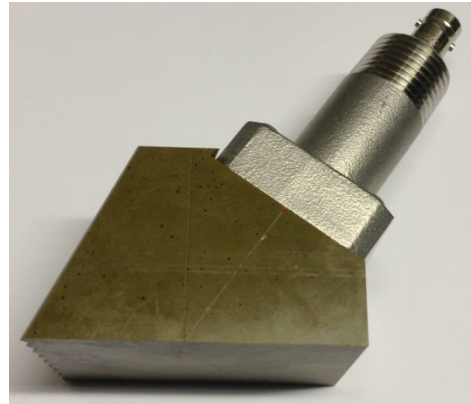


GE
Measurement & Control

C-PT

Panametrics Clamp-on Transducers for Liquid or Gas Flow



Applications

Paired with a GE ultrasonic flow transmitter, the C-PT 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

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



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C-PT Specifications

Transducer Type

Clamp-on

Applications

Liquid (acoustically conductive fluids)

Compatible Meters

Liquid: PT878, XMT868i, DF868, or AT868

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

-20°C to 210°C (-40°F to 410°F)

-20°C to 184°C (-40°F to 363°F) – ATEX

Ambient Temperature

CSA: -20°C to 40°C (-40°F to 104°F)

ATEX: -20°C to 60°C (-4°F to 140°F)

Hazardous Area Classifications

US/CAN Class 1, Division 1, Groups A-D (T6-T2)

ATEX II 2 G Ex md IIC T3

Environmental

IP66/NEMA 4X (with appropriate junction box)

IP68 (with submersible connector and cable)

Materials of Construction

316SS and plastic

Connector Type:

BNC

UHF (optional for submersible connection)

Clamping Fixtures

CF, SCF, MC, and UC

Couplant

Solid couplant (CPL-8)

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

C-PT Transducer Part Numbers

A	B	C	D	E	F	Model
C-PT						Pair of high performance clamp-On transducers.
						Frequency
	05					0.5 MHz Operating Frequency
	10					1.0 MHz Operating Frequency
	20					2.0 MHz Operating Frequency
						Temperature
		H				High temperature transducers, -20 to 210oC (-4 to 410 deg F) Note: -20 to 184oC (-4 to 363oF) for ATEX HT certified version only.
						Connector
			B			Standard BNC coaxial connector
				U		Standard UHF connector (Not hazardous area certified, requires appropriate connection on flow meter cable)
						Junction Box
					0	None
					AXC	Explosion proof (C-USA) Class I, Div 1, Group C,D junction box (IM058)
					AXB	Explosion proof (C-USA) Class I, Div 1, Group B,C,D junction box (IM145)
					EX	Flameproof junction box (IP65), EExd IIC T6 rating (IM060)
					EXSS	Flameproof stainless steel junction box (IP65), EExd IIC T6 rating
					SUB	Submersible (no junction box - not hazardous area certified)
						Miscellaneous
					0	None
					S	Special - Consult Factory
					A	ATEX certified version



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