



CMCP422VTS-IP Series

Loop Powered 4-20 mA Velocity Sensor,
Side Exit, IP68, Submersible, PUR Integral Cable



Features

- Loop Powered 4-20 mA Output
- Velocity Output with RMS or Peak Detection
- Side Exit for Flush Installations
- PUR Integral Cable
- Interfaces Directly with Control Systems (PLC/DCS)
- Selectable Full-Scale Ranges
- 10 Hz to 1.0 kHz +/-5% Frequency Response (600 CPM to 60 kCPM)
- Submersible, Sealed to IP68
- -25 to +120°C (-13 to 248°F) Temperature Rating
- Lifetime Warranty

Typical Applications

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, HVAC, Spindles, Machine Tooling, Process Equipment and many more.

Technical Performance

Mounted Base Resonance:	5 kHz Min.
Ranges:	See Ordering Information Below
Frequency Response:	10 Hz to 1.0 kHz $\pm$ 5%
	600 CPM to 60k CPM
	ISO 20816
Isolation:	Base Isolated
Measurement Range:	50 g peak
Transverse Sensitivity:	Less than 5% with Faraday Cage

Electrical

Output Current:	4-20 mA DC Proportional to RMS or Peak Velocity
Supply Voltage:	15 to 30 VDC
Settling Time:	1 Second
Output Impedance:	Loop Resistance 600 Ohm Max @ 24 VDC
Case Isolation:	$>10^8$ Ohm at 500 Volt
Ratings:	$U_i=28V$; $I_i = 115mA$; $P_i = 0.65W$

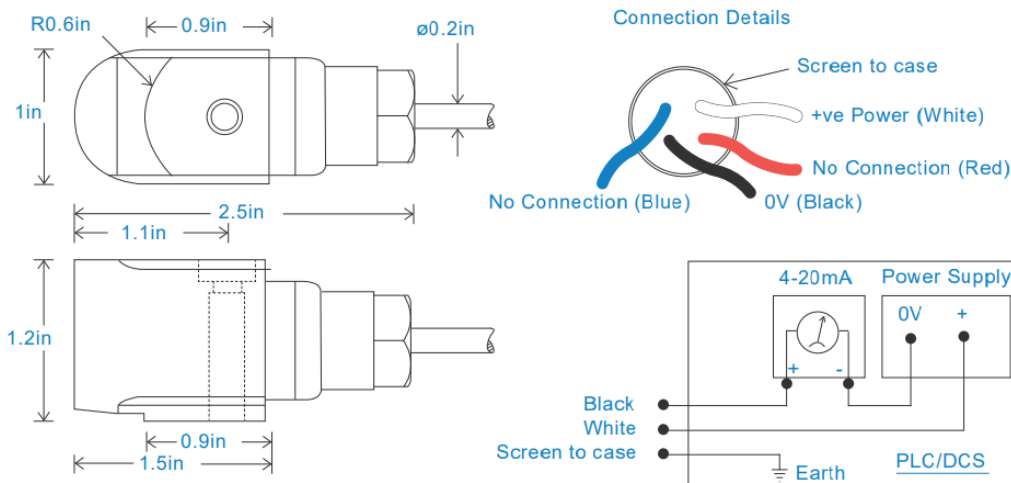
Environmental

Operating Temperature Range:	-13 to 248°F (-25 to 120°C)
Sealing:	IP68
Submersible:	Up to 100 m depth (10 bar)
Maximum Shock:	5000 g

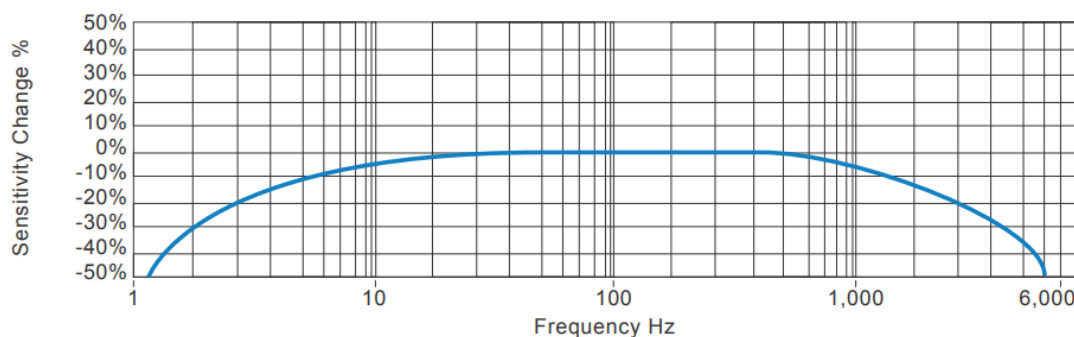
Mechanical

Case Material:	Stainless Steel
Sensing Element:	PZT/Shear Type
Mounting Torque:	5.9 ft. lbs (8Nm)
Weight:	6.5 Oz (185 g) Sensor only
Mounting: CMCP422VTS-XX-X-IP:	1/4"-28 UNF Captive Bolt Supplied with Sensor
CMCP422VTS-XX-X-IP-M8:	M8x1.25 Captive Bolt Supplied with Sensor
Mating Connector:	PUR (Polyurethane) Integral Cable, 4 Wire with Drain/Shield

Dimensions



Typical Frequency Response



Ordering Information

CMCP422VTS	-XX	-X	-XX	Description
Imperial System	-01			Loop Powered 4-20 mA Velocity Sensor, Side Exit
	-02			1.00 In/Sec Full Scale (25.4 mm/s)
Metric System	-10			2.00 In/Sec Full Scale (50.8 mm/s)
	-20			10 mm/s Full Scale
	-25			20 mm/s Full Scale
	-50			25 mm/s Full Scale
	-100			50 mm/s Full Scale
		-R		100 mm/s Full Scale
		-P		RMS Detection
			-IP	Peak Detection
				PUR Integral Cable, 16' (5 m) length or specify

Specify desired Cable Length in Meter after '-IP' (for example -IP20 for 20 meter)

Example Part Number: CMCP422VTS-01-R-IP10

Loop Powered 4-20 mA Velocity Sensor, Side Exit, Full Scale 1.0 ips, RMS Detection, PUR Integral Cable, 32' (10 m) length

Similar Products



CMCP422VTS-XX-X-M12
M12 Eurofast Connector



CMCP422VTS-XX-X-I
Braided Integral Cable



CMCP422VTS-XX-X-C
2 Pin MS 5015 Connector

Note: Due to STI's continuous process improvement, specifications are subject to change without notice.