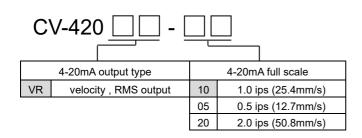
CV SERIES TRANSDUCER SPECIFICATIONS

CV-420 PIEZOELECTRIC VELOCITY TRANSDUCER 4-20mA loop powered transducer

CAC C

Standard

Model Code



Right angle type		e CW-420R- 🔲		- 📙 (Standar	d)
Straight type		CW-420S-		- <u>_</u>	
		Cable length	1	ırmor	
	16	Approx.4.8m (16ft)	0	Without	
	32	Approx.9.6m (32ft)	1	With	

SPECIFICATIONS					
Output	4-20mA				
Full Scale, 20mA, ±5%	See Model Code below				
Frequency Response	10Hz to 1.0kHz ± 10% 3.5Hz to 2.0kHz ± 3dB				
Transverse Sensitivity	Max. 5%				
Power Requirement (two-wire loop power) Voltage at transducer terminals	12 to 30 VDC				
Loop Resistance*1	Max. 700Ω at 24VDC				
Turn On Time,4-20mA Loop	30 seconds				
Grounding	Case isolated, internally shielded				
Operating Temperature Range	-40 to +105°C				
Vibration Limit	2,450 m/s ² (250g REF.) pk				
Shock Limit	24,500 m/s ² (2,500g REF.) pk				
Weight	Approx. 160g				
Case Material	Stainless Steel				
Protection Rating	IP67(CV-420&CW)				
Mounting	M6 × 1 Mounting stud (1 piece)				

*1 Maximum loop resistance (R_L) can be calculated by: $R_L = \frac{V_{DC \ power} - 10V}{20mA}$

Cupply voltage and It					
DC supply	R∟(max	R∟ (minimum			
voltage	resistance)*2	wattage capability)*3			
12VDC	100Ω	1/8 watt			
20VDC	500Ω	1/4 watt			
24VDC	700Ω	1/2 watt			
26VDC	800Ω	1/2 watt			
30VDC	1,000Ω	1/2 watt			

^{*2} Lower resistance is allowed, greater than 10 Ω recommended.

6H18-052 Rev.4 Issued : Sep. 2018 Revised : Feb. 2023

^{*3} Minimum R_L wattage determined by: (0.0004 x R_L).