



Contactless Ultrasonic Flow Meter made of Anodized Aluminum



Clamp-On Sensor for Non-Invasive Flow Measurement made of Stainless Steel



In-Line Flow Meter for Precise Measurement of Smallest Flow Rates

SONOFLOW	ORDER-NO.	MEASURING CHANNEL	TUBE OD		TUBE ID		DIMENSIONS LxWxH
CO.55/035	200-01-0225	3.5 mm	4.0 mm	5/32"	0.8 mm	1/32"	44 x 44 x 28 mm
			4.0 mm		3.0 mm	1/32"	
CO.55/044	200-01-0281	4.4 mm	4.8 mm	3/16"	1.6 mm	1/16"	44 x 44 x 30 mm
			5.0 mm		3.0 mm		
CO.55/060	200-01-0224	6.0 mm	6.4 mm	1/4"	3.2 mm	1/8"	44 x 44 x 32 mm
			7.0 mm		5.0 mm		
CO.55/080	200-01-0226	8.0 mm	9.0 mm	3/8"	6.0 mm	3/16"	44 x 44 x 34 mm
			9.6 mm		4.8 mm		
CO.55/100	200-01-0237	10.0 mm	11.1 mm	7/16"	6.4 mm	1/4"	44 x 44 x 35 mm
			12.0 mm		9.0 mm		
CO.55/120	200-01-0223	12.0 mm	14.0 mm	9/16"	10.0 mm	3/8"	44 x 44 x 36 mm
CO.55/140	200-01-0234	14.0 mm	16.0 mm	5/8"	9.6 mm	3/8"	44 x 44 x 38 mm
			16.0 mm		10.0 mm	3/8"	
CO.55/160	200-01-0287	16.0 mm	18.8 mm	3/4"	12.8 mm	1/2"	44 x 44 x 40 mm
			19.0 mm		14.0 mm	1/2"	
CO.55/190	200-01-0230	19.0 mm	22.0 mm		16.0 mm		66 x 66 x 48 mm
			22.3 mm		12.7 mm		
CO.55/035 V2.0	200-01-0292	3.5 mm	4.0 mm	5/32"	0.8 mm	1/32"	44 x 44 x 28 mm
			4.0 mm		3.0 mm	1/32"	
CO.55/060 V2.0	200-01-0293	6.0 mm	6.4 mm	1/4"	3.2 mm	1/8"	44 x 44 x 32 mm
			7.0 mm		5.0 mm		
CO.55/080 V2.0	200-01-0297	8.0 mm	9.0 mm	3/8"	6.0 mm	3/16"	44 x 44 x 34 mm
			9.6 mm		4.8 mm		
CO.56/035	200-04-0009	3.5 mm	4.0 mm	5/32"	0.8 mm	1/32"	44 x 44 x 28 mm
			4.0 mm		3.0 mm	1/32"	
CO.56/044	200-04-0010	4.4 mm	4.8 mm	3/16"	1.6 mm	1/16"	44 x 44 x 30 mm
			5.0 mm		3.0 mm		
CO.56/060	200-04-0011	6.0 mm	6.4 mm	1/4"	3.2 mm	1/8"	44 x 44 x 32 mm
			7.0 mm		5.0 mm		
CO.56/080	200-04-0012	8.0 mm	9.0 mm	3/8"	6.0 mm	3/16"	44 x 44 x 34 mm
			9.6 mm		4.8 mm		
IL.52/3	200-01-0228	3.0 mm					122 x 64 x 46 mm
IL.52/4	200-01-0227	4.0 mm					122 x 64 x 46 mm

SENSOR OVERVIEW — NON-INVASIVE FLUID MONITORING

SONOFLOW		CO.55	CO.55 V2.0	CO.56	IL.52
OUTPUTS	UART	✓			✓
	0/4 to 20 mA	✓	✓		✓
	RS485		✓	✓	
	Frequency, 0 to 20 kHz, 5 V		✓		
	PNP/NPN/ Push-Pull (0 to 30 V)		✓		
INPUTS	Zero Flow Adjustment		✓		
OPERATING MODES	Flow Switch		✓		
	Volume Dosing		✓		
	RealTime Flow	✓	✓	✓	✓
FEATURES	Bubble Detection			✓	
VOLTAGE	Voltage Requirements	12 to 30 VDC	12 to 30 VDC	5 VDC	12 to 30 VDC
CURRENT CONSUMPTION	Varies with VDC	max. 70 mA	max. 30 mA	max. 150 mA	max. 80 mA
CALIBRATION FEATURES	Customer Calibration Points	10	32	32	10
	Sampling Points for Temperature Compensation	1	2	2	1

ACCURACY

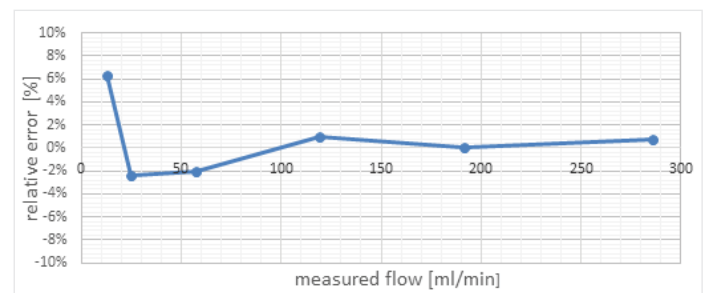
SONOFLOW CO.55/035

STANDARD CALIBRATION

Water at 23°C ±2 K and 1 bar on specified PVC tube

0 ... 300 ml/min: ≤ ± 6 ml/min

300 ... 3000 ml/min: ≤ ± 2%



Accuracy depends on tubing, temperature, fluid properties, etc.
Calibration to customer tubing, fluid, flow range, temperature etc.
on request.

Accuracy in the lower flow range achieved by calibration to customer specific conditions.

SONOTEC preserves the right to change technical specifications without further notice. (Rev. 2L / 2016-04-22)

SALES & SUPPORT

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Certified according to ISO 13485 and ISO 9001