

SONIC-PRO

Hybrid Ultrasonic Flow Meter Matrix

Sonic-Pro Part Number Matrix										List Price																																																																																																											
Signal Processing Unit (SPU) Display Options																																																																																																																					
S1	Factory configured - without display - no configuration menu access ¹									\$2,067.00																																																																																																											
S2	Factory configured - with display - no configuration menu access ¹									\$2,650.00																																																																																																											
S3	Factory configured - with display and with user configurable menu access									\$2,968.00																																																																																																											
Smart Communications and Control Options²																																																																																																																					
A	Communications Includes Ethernet, USB, RS-232, RS-485 connections and user configuration and monitoring PC software.									\$477.00																																																																																																											
B	Process Control Includes three 10 amp, Form C relays. Note: requires S3 configurable display or the communications option "A" above.									\$265.00																																																																																																											
C	Both communications and Process Control options.									\$742.00																																																																																																											
X	None									\$0																																																																																																											
Power Supply Cord Rating and Plug type³																																																																																																																					
1	U.S. 125V with NEMA 5/15 plug									\$0																																																																																																											
2	European 250V with CEE 7/II plug									\$0																																																																																																											
3	U.S. 250V with NEMA 6/15 plug									\$0																																																																																																											
8	Australia/New Zealand 250V with AS 3112 plug									\$0																																																																																																											
X	Power cord without attachment plug									\$0																																																																																																											
Transducer Model and Cable Length																																																																																																																					
A1	Model A transducer with 10 ft cable									\$0																																																																																																											
A2	Model A transducer with 25 ft cable									\$159.00																																																																																																											
A3	Model A transducer with 50 ft cable									\$318.00																																																																																																											
A4	Model A transducer with 100 ft cable									\$636.00																																																																																																											
XX	No Transducers									-\$636.00																																																																																																											
Factory Configuration Options																																																																																																																					
Nominal Pipe Size⁴																																																																																																																					
<table border="1"> <thead> <tr> <th colspan="6">IPS Pipe Size</th> <th colspan="5">Metric Pipe Size</th> </tr> </thead> <tbody> <tr> <td>015</td> <td>1-1/2"</td> <td>060</td> <td>6"</td> <td>181</td> <td>18"</td> <td>300</td> <td>30"</td> <td>041</td> <td>40mm</td> <td>125</td> <td>125mm</td> <td>250</td> <td>250mm</td> <td>500</td> <td>500mm</td> </tr> <tr> <td>020</td> <td>2"</td> <td>080</td> <td>8"</td> <td>201</td> <td>20"</td> <td>320</td> <td>32"</td> <td>051</td> <td>50mm</td> <td>140</td> <td>140mm</td> <td>280</td> <td>280mm</td> <td>560</td> <td>560mm</td> </tr> <tr> <td>025</td> <td>2-1/2"</td> <td>100</td> <td>10"</td> <td>220</td> <td>22"</td> <td>340</td> <td>34"</td> <td>063</td> <td>63mm</td> <td>160</td> <td>160mm</td> <td>315</td> <td>315mm</td> <td>630</td> <td>630mm</td> </tr> <tr> <td>030</td> <td>3"</td> <td>120</td> <td>12"</td> <td>240</td> <td>24"</td> <td>360</td> <td>36"</td> <td>075</td> <td>75mm</td> <td>180</td> <td>180mm</td> <td>355</td> <td>355mm</td> <td>710</td> <td>710mm</td> </tr> <tr> <td>040</td> <td>4"</td> <td>141</td> <td>14"</td> <td>260</td> <td>26"</td> <td>420</td> <td>42"</td> <td>090</td> <td>90mm</td> <td>200</td> <td>200mm</td> <td>400</td> <td>400mm</td> <td>800</td> <td>800mm</td> </tr> <tr> <td>050</td> <td>5"</td> <td>161</td> <td>16"</td> <td>281</td> <td>28"</td> <td>480</td> <td>48"</td> <td>110</td> <td>110mm</td> <td>225</td> <td>225mm</td> <td>450</td> <td>450mm</td> <td>101</td> <td>1000mm</td> </tr> </tbody> </table>											IPS Pipe Size						Metric Pipe Size					015	1-1/2"	060	6"	181	18"	300	30"	041	40mm	125	125mm	250	250mm	500	500mm	020	2"	080	8"	201	20"	320	32"	051	50mm	140	140mm	280	280mm	560	560mm	025	2-1/2"	100	10"	220	22"	340	34"	063	63mm	160	160mm	315	315mm	630	630mm	030	3"	120	12"	240	24"	360	36"	075	75mm	180	180mm	355	355mm	710	710mm	040	4"	141	14"	260	26"	420	42"	090	90mm	200	200mm	400	400mm	800	800mm	050	5"	161	16"	281	28"	480	48"	110	110mm	225	225mm	450	450mm	101	1000mm
IPS Pipe Size						Metric Pipe Size																																																																																																															
015	1-1/2"	060	6"	181	18"	300	30"	041	40mm	125	125mm	250	250mm	500	500mm																																																																																																						
020	2"	080	8"	201	20"	320	32"	051	50mm	140	140mm	280	280mm	560	560mm																																																																																																						
025	2-1/2"	100	10"	220	22"	340	34"	063	63mm	160	160mm	315	315mm	630	630mm																																																																																																						
030	3"	120	12"	240	24"	360	36"	075	75mm	180	180mm	355	355mm	710	710mm																																																																																																						
040	4"	141	14"	260	26"	420	42"	090	90mm	200	200mm	400	400mm	800	800mm																																																																																																						
050	5"	161	16"	281	28"	480	48"	110	110mm	225	225mm	450	450mm	101	1000mm																																																																																																						
Pipe Pressure Rating⁴																																																																																																																					
SK	Sch 5 (ASTM D 1785)	DA	SDR 41 (ASTM D 2241)	CA	Class 50 (ANSI C151)	TA	Sanitary Tubing 0.065" wall	PA	PN 4 metric (DIN 8062)																																																																																																												
SA	Sch 10 (ASTM D 1785)	DB	SDR 26 (ASTM D 2241)	CB	Class 51 (ANSI C151)	TB	Sanitary Tubing 0.083" wall	PB	PN 6 metric (DIN 8062)																																																																																																												
SB	Sch 20 (ASTM D 1785)	DC	SDR 21 (ASTM D 2241)	CC	Class 52 (ANSI C151)	TC	Sanitary Tubing 0.109" wall	PC	PN 10 metric (DIN 8062)																																																																																																												
SC	Sch 30 (ASTM D 1785)	DD	SDR 19 (ASTM D 2241)	CD	Class 53 (ANSI C151)	TK	Type K copper (ASTM B 88)	PD	PN 16 metric (DIN 8062)																																																																																																												
SD	Sch 40 (ASTM D 1785)	DE	SDR 17 (ASTM D 2241)	CE	Class 54 (ANSI C151)	TL	Type L copper (ASTM B 88)	PE	PN 20 metric (DIN 8062)																																																																																																												
SE	Sch 60 (ASTM D 1785)	DF	SDR 15.5 (ASTM D 2241)	CF	Class 55 (ANSI C151)	TM	Type M copper (ASTM B 88)	BB	Class B British (BS 3506)																																																																																																												
SF	Sch 80 (ASTM D 1785)	DG	SDR 13.5 (ASTM D 2241)	CG	Class 56 (ANSI C151)			BC	Class C British (BS 3506)																																																																																																												
SG	Sch 100 (ASTM D 1785)	DH	SDR 11 (ASTM D 2241)					BD	Class D British (BS 3506)																																																																																																												
SH	Sch 120 (ASTM D 1785)	DI	SDR 9 (ASTM D 2241)					BE	Class E British (BS 3506)																																																																																																												
SI	Sch 140 (ASTM D 1785)	DJ	SDR 7.3 (ASTM D 2241)					B7	Class 7 British (BS 3506)																																																																																																												
SJ	Sch 160 (ASTM D 1785)	DK	SDR 7 (ASTM D 2241)	DL	SDR 18 (ASTM D 2241)																																																																																																																
Pipe Material⁴																																																																																																																					
A	Brass (naval)	F	Nylon	K	PVDF	P	Steel (Carbon)																																																																																																														
B	Copper	G	Polyethylene (HDPE)	L	Stainless Steel 304	Q	Titanium																																																																																																														
C	FRP (fiberglass reinforced plastic)	H	Polyethylene (LDPE)	M	Stainless Steel 304L																																																																																																																
D	Iron (cast)	I	Polypropylene	N	Stainless Steel 316																																																																																																																
E	Iron (ductile)	J	PVC / CPVC	O	Steel (1% Carbon, hardened)																																																																																																																
Display Volume Units³																																																																																																																					
G	U.S. Gallons	F	Cubic Feet	M	Cubic Meters	B	U.S. Barrels Liquid (31.5 Gal)	O	Ounces																																																																																																												
L	Liters	A	Acre Feet	I	Imperial Gallons	P	U.S. Barrels Oil (42.0 Gal)	K	Milliliters																																																																																																												
Display Time Units																																																																																																																					
M	Minutes	H	Hours	D	Days																																																																																																																
Fluid⁴																																																																																																																					
AA	Alcohol (Ethyl alcohol; Ethanol)	AF	Isopropyl Alcohol	AK	Toluene																																																																																																																
AB	Benzene	AG	Methyl Alcohol (methanol)	AL	Water (distilled; waste)																																																																																																																
AC	Ethylene Glycol	AH	Methyl Ethyl Ketone (MEK)	AN	Water (sea; brine)																																																																																																																
AD	Ethylene Glycol / water (50%)	AI	Milk	AP	Wine																																																																																																																
AE	Gasoline	AJ	Oil (diesel)																																																																																																																		
Display Language																																																																																																																					
E	English	S	Spanish	G	German	F	French																																																																																																														

S3 C 1 A1 060 SD J G M AL E **Sample Sonic-Pro Part Number** **List Price \$3,710.00**

Transducer Set only		List Price
ST	Sonic-Pro Transducer	\$1030.32
Transducer model / pipe range		
A	Model "A" transducers - 1.5" to 100" OD pipe	\$0
Cable Length		
010	10 Feet	\$0
025	25 Feet	\$159.00
050	50 Feet	\$318.00
100	100 Feet	\$636.00
S3	- A - 010	Sample Number List Price \$1030.32

Notes:

1. Unless equipped with the communications option and user software, models S1 and S2 are factory configurable only.
2. Option B, Process Control Relays, requires either the S3 configurable display or the communications option.
3. Other display volume units, including custom units, are available. Contact the factory for ordering information.
4. Other pipe sizes, pipe pressure ratings, pipe materials and fluids are available. Contact the factory for ordering information.
5. Power cord only. Input power requirement is 110 to 240 VAC or 15 to 30 VDC.