

Selection and Ordering data		Order No.	Order code
SITRANS F US SONO 3100 sensor 2-path		7ME3100 -	
Diameter	Qn setting [m³/h]		
DN 100 (4")	28	1 N	
DN 100 (4")	100	1 P	
DN 100 (4")	220	1 R	
DN 125 (5")	44	1 S	
DN 125 (5")	150	1 T	
DN 125 (5")	350	1 V	
DN 150 (6")	64	2 A	
DN 150 (6")	220	2 B	
DN 150 (6")	500	2 D	
DN 200 (8")	110	2 E	
DN 200 (8")	380	2 F	
DN 200 (8")	900	2 H	
DN 250 (10")	180	2 J	
DN 250 (10")	600	2 K	
DN 250 (10")	1300	2 M	
DN 300 (12")	250	2 N	
DN 300 (12")	850	2 P	
DN 300 (12")	2000	2 R	
DN 350 (14")	350	2 S	
DN 350 (14")	1000	2 T	
DN 350 (14")	2800 ¹⁾	2 V	
DN 400 (16")	450	3 A	
DN 400 (16")	1300	3 B	
DN 400 (16")	3600	3 D	
DN 500 (20")	1300	3 J	
DN 500 (20")	2200	3 K	
DN 500 (20")	4200 ¹⁾	3 M	
DN 600 (24")	1300	3 S	
DN 600 (24")	3200	3 T	
DN 600 (24")	4200 ¹⁾	3 V	
DN 700 (28")	2000	4 E	
DN 700 (28")	4200	4 F	
DN 800 (32")	4200	4 N	
DN 800 (32")	5500	4 P	
DN 900 (36")	4200	5 A	
DN 900 (36")	7500	5 B	
DN 1000 (40")	4200	5 J	
DN 1000 (40")	9000 ¹⁾	5 K	
DN 1200 (48")	4200	5 S	
DN 1200 (48")	13200 ¹⁾	5 T	
Flange norm and pressure rating (All sizes are not available in all pressure ratings)			
EN 1092-1			
PN 10 (DN 200 ... DN 1200)		B	
PN 16 (DN 100 ... DN 1200)		C	
PN 25 (DN 200 ... DN 1000)		D	
PN 40 (DN 100 ... DN 500)		E	
ANSI B16.5			
class 150 (DN 100 ... DN 600)		H	
class 300 (DN 100 ... DN 300)		J	
Pipe without flanges (weld-in version)			
PN 10 (DN 200 ... DN 1200)		P	
PN 16 (DN 100 ... DN 1200)		Q	
PN 25 (DN 200 ... DN 1200)		R	
PN 40 (DN 100 ... DN 500)		S	

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Pipe and flange material		
Carbon steel (DN 100 ... 1200)	1	
Stainless steel (DN 100 ... 300)	2	
Transducer type and approval		
IP67 (NEMA 4X/6) PA housing, PN 40, O-ring, 50 mm, 100 °C (212 °F) (DN 100 ... 1200; SS and CS sensors)	1	
IP68 SS housing, PN 40, O-ring, 50 mm, 200 °C (392 °F) (DN 100 ... 1200; SS and CS sensors)	2	
IP68 SS housing, PN 40, O-ring, 50 mm, 180 °C (356 °F), Ex d ATEX approval (only with standard FUS060) (DN 100 ... 1200; SS and CS sensors)	3	
IP67 (NEMA 4X/6) PA housing, PN 40, flange, 88 mm, 100 °C (212 °F) (DN 100 ... 300; SS sensors)	4	
IP68 SS housing, PN 40, flange, 88 mm, 200 °C (392 °F) (DN 100 ... 300; SS sensors)	5	
IP68 SS housing, PN 40, flange, 88 mm, 180 °C (356 °F), Ex d ATEX approval (only with standard FUS060) (DN 100 ... 300; SS sensors)	6	
IP67 SS housing, PN 40, O-ring, 50 mm, 190 °C (374 °F), Ex i ATEX approval (only with FUS060 Ex-version)) (DN 100 ... 1200; SS and CS sensors)	7	
IP67 SS housing, PN 40, flange, 88 mm, 190 °C (374 °F), Ex i ATEX approval (only with FUS060 Ex-version) (DN 100 ... 300; SS sensors)	8	
Cable gland entries		
Cable glands M20 in transducers and in transmitter M25/20/16 x 1.5	1	
Cable glands ½" NPT in transducers and in transmitter	2	
Transmitter version of SITRANS FUS060		
IP65 (NEMA 4), 120/230 V AC	N	
IP65 (NEMA 4), 24 V AC/DC	P	
IP65 (NEMA 4), 24 V AC/DC ATEX Ex version	Q	
FUS060 output module		
HART, 1 pulse output, 1 relay	B	
HART Ex, 1 pulse output, 1 relay	C	
PROFIBUS PA, 1 pulse/frequency	D	
Transducer coaxial cable		
4 x 3 m, max. 70 °C (158 °F), the only option for Ex i	0	
4 x 15 m, max. 70 °C (158 °F)	1	
4 x 30 m, high temp. max. 200 °C (392 °F)	2	
4 x 30 m, max. 70 °C (158 °F)	3	
4 x 60 m, max. 70 °C (158 °F)	4	
4 x 90 m, max. 70 °C (158 °F)	5	
4 x 120 m, max. 70 °C (158 °F)	6	
4 x 3 m, high temp. max. 200 °C (392 °F), the only option for Ex i	7	
4 x 15 m, high temp. max. 200 °C (392 °F)	8	

This device is shipped with a Quick Start guide and the SITRANS F manual CD containing the complete manual library. Printed Operating Instructions are available for purchase via PMD.

¹⁾ Reduced Q value during calibration (Qn setting unchanged).

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Additional information	
Please add „-Z" to Order No. and specify Order code(s) and plain text.	
<u>Calibration</u>	
Production calibration DN 100 ... DN 1200 (with certificate)	Included
Accredited Siemens ISO/IEC 17025 calibration for DN 100 to DN 200 with Qn as selected in diameter. Calibration certificate: 2 x 5 points in 5 %, 10 %, 25 %, 50 % and 100 % Qn (max. flow 630 m³/h).	D20
Accredited Siemens ISO/IEC 17025 calibration for DN 200 to DN 600 with Qn as selected in diameter. Calibration certificate: 2 x 5 points in 5 %, 10 %, 25 %, 50 % and 100 % Qn (max. flow 2800 m³/h).	D21
Accredited Siemens ISO/IEC 17025 calibration for DN 400 to DN 1200 with Qn as selected in diameter. Calibration certificate: 2 x 5 points in 5 %, 10 %, 25 %, 50 % and 100 % Qn (max. flow 8000 m³/h).	D22
<u>Material certificate</u>	
EN 10204-3.1	F10
EN 10204-3.1 and 100 % NDT on weldings, DN 100 ... DN 400	F11
EN 10204-3.1 and 100 % NDT on weldings, DN 500 ... DN 700	F12
EN 10204-3.1 and 100 % NDT on weldings, DN 800 ... DN 1200	F13
<u>Pressure certificate</u>	
EN 10204-2.3	F21
<u>Tag name plate</u>	
Stainless steel TAG plate (1 x 24 x 80 mm), wire fixed. Font size depends on text length: 8 mm for 1 ... 10 characters, 4 mm for 11 ... 20 characters (specify in plain text).	Y17



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