

Selection and Ordering data			Order No.	Order code
Flowmeter SITRANS FUS380 (standard)			7ME 3 4 0 0 -	
			0 - A	
Diameter	Flow setting [m³/h]			
	Qp (Qn) ¹⁾	Qs		
DN 50 (2") ²⁾	15	15	1 A	
DN 50 (2") ²⁾	15	45	1 C	
DN 50 (2") ²⁾	30	45	1 D	
DN 65 (2½") ²⁾	25	25	1 E	
DN 65 (2½") ²⁾	25	72	1 G	
DN 65 (2½") ²⁾	50	72	1 H	
DN 80 (3") ²⁾	40	40	1 J	
DN 80 (3") ²⁾	40	120	1 L	
DN 80 (3") ²⁾	80	120	1 M	
DN 100 (4")	60	60	1 N	
DN 100 (4")	60	180	1 Q	
DN 100 (4")	120	240	1 R	
DN 125 (5")	100	100	1 S	
DN 125 (5")	100	280	1 U	
DN 125 (5")	200	400	1 V	
DN 150 (6")	150	150	2 A	
DN 150 (6")	150	420	2 C	
DN 150 (6")	300	560	2 D	
DN 200 (8")	250	250	2 E	
DN 200 (8")	250	700	2 G	
DN 200 (8")	500	900	2 H	
DN 250 (10")	400	400	2 J	
DN 250 (10")	400	1120	2 L	
DN 250 (10")	800	1400	2 M	
DN 300 (12")	560	560	2 N	
DN 300 (12")	560	1560	2 Q	
DN 300 (12")	1120	2100	2 R	
DN 350 (14")	750	750	2 S	
DN 350 (14")	750	2100	2 U	
DN 350 (14")	1500	2800	2 V	
DN 400 (16")	950	950	3 A	
DN 400 (16")	950	2660	3 C	
DN 400 (16")	1900	3600	3 D	
DN 500 (20")	1475	1475	3 J	
DN 500 (20")	1475	4130	3 L	
DN 500 (20")	2950	5500	3 M	
DN 600 (24")	2150	2150	3 S	
DN 600 (24")	2150	6020	3 U	
DN 600 (24")	4300	8000	3 V	
DN 700 (28")	2900	2900	4 E	
DN 700 (28")	2900	8120	4 G	
DN 700 (28")	5800	10 800	4 H	
DN 800 (32")	3800	3800	4 N	
DN 800 (32")	3800	10 640	4 Q	
DN 800 (32")	7600	14 200	4 R	
DN 900 (36")	5000	5000	5 A	
DN 900 (36")	5000	14 000	5 C	
DN 900 (36")	10000	20 000	5 D	
DN 1000 (40")	6000	6000	5 J	
DN 1000 (40")	6000	16 800	5 L	
DN 1000 (40")	12 000	24 000	5 M	
DN 1200 (48")	9000	9000	5 S	
DN 1200 (48")	9000	25 200	5 U	
DN 1200 (48")	18 000	36 000	5 V	

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.

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Flowmeter SITRANS FUS380 (standard)			7ME 3 4 0 0 -	
			0 - A	
Flange norm and pressure rating				
System without sensor - only a transmitter FUS080 as spare part - settings as defined with this order no. EN 1092-1 Flanges PN 16 (DN 100 ... DN 1200) PN 25 (DN 200 ... DN 1000) PN 40 (DN 50 ... DN 250) ³⁾			A	
			C	
			D	
			E	
Compact/remote connection				
Compact version, max. 120 °C (248 °F) Remote version, max. 150/200 °C (302/392 °F)			0	
5 m (16.4 ft)			2	
10 m (32.8 ft)			3	
20 m (65.6 ft)			4	
30 m (98.4 ft)			5	
Pulse output value setup ⁵⁾				
0.1 l/p			1	
1 l/p			2	
2.5 l/p			3	
10 l/p			4	
50 l/p			5	
100 l/p			6	
250 l/pulse			7	
1 m³/pulse			8	
0.25 l/pulse			9	NO A
0.5 l/pulse			9	NO B
5 l/pulse			9	NO C
25 l/pulse			9	NO D
500 l/pulse			9	NO E
2.5 m³/pulse			9	NO F
5 m³/pulse			9	NO G
10 m³/pulse			9	NO H
25 m³/pulse			9	NO J
50 m³/pulse			9	NO K
100 m³/pulse			9	NO L
250 m³/pulse			9	NO M
500 m³/pulse			9	NO N
1000 m³/pulse			9	NO P
Transmitter version of SITRANS FUS080				
IP67/NEMA 4X/6 115 ... 230 V AC			B	
IP67/NEMA 4X/6 3.6 V battery version, incl. dual battery pack ⁴⁾			D	
IP67/NEMA 4X/6 115 ... 230 V AC, including 3.6 V single battery backup ⁴⁾			E	
IP67/NEMA 4X/6 3.6 V battery version (no battery pack included)			G	
Pulse width setup				
5 ms (standard)			2	
10 ms			3	
20 ms			4	
50 ms			5	
100 ms			6	
200 ms			7	
500 ms			8	

- Q_p (Q_n) is the normal or typical flow. Q_p and Q_s is shown on the system label.
- Pipe material bronze brass.
- PN 40 standard for DN 50 ... DN 80 die-cast bronze pipes.
- Lithium batteries are subject to special transportation regulations according to United Nations "Regulation of Dangerous Goods, UN 3090 and UN 3091". Special transport documentation is required to observe these regulations. This may influence both transport time and costs.
- To get optimal benefit of the pulses the pulse value and pulse length shall be selected as low as possible. The following calculation formula can be used for determining the shortest pulse value at a pulse length of 5 ms:
L/pulse > Q_s (m³/h) /360.
For example Q_s = 300 m³/h; L/pulse > 300/360;
L/pulse > 0.83; therefore the pulse value must be 1 l/pulse

Selection and Ordering data	Order code
Additional information	
Please add „-Z“ to Order No. and following add-on code(s) with plain text.	
Calibration/certificate FUS380	
Production calibration for DN 50 ... DN 1200 with Q_n as selected in diameter. Incl. Calibration protocol: 2 x 3 points, Q_i , 10 % Q_p and Q_p (max. 8000 m ³ /h).	Included
Accredited Siemens ISO/IEC 17025 calibration for DN 50 ... DN 200 with Q_n as selected in diameter. Certificate: 2 x 5 points, Q_i , 5 %, 10 %, 50 % and 100 % of Q_p (max. 630 m ³ /h).	D20
Accredited Siemens ISO/IEC 17025 calibration for DN 250 ... DN 600 with Q_n as selected in diameter. Certificate: 2 x 5 points, 5 %, 10 %, 50 % and 100 % of Q_p (max. 2800 m ³ /h).	D21
Accredited Siemens ISO/IEC 17025 calibration, DN 500 ... DN 1200 with Q_n as selected in diameter. Certificate: 2 x 5 points, Q_i , 5 %, 10 %, 50 % and 100 % of Q_p (max. 8000 m ³ /h).	D22
Output B as reverse flow pulses. No calibration/verification of this function.	E21
Material certificate	
EN 10204-3.1 (pipe material)	F10
Tag name plate	
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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www.pia-selector.automation.siemens.com

Flowmeter SITRANS FUS380 operating instructions, accessories and spare parts

Operating instructions

Description	Order No.
• English	A5E00730100
• German	A5E00740611
• Spanish	A5E00754188
• French	A5E00754173

This device is shipped with a Quick Start guide and a CD containing further SITRANS F US literature.

All literature is also available for free at:
<http://www.siemens.com/flowdocumentation>

For accessories and spare parts see chapter of transmitter SITRANS FUS080/FUE080 on page 3/262.