

Selection and Ordering data			Order No.	Order code
Flowmeter SITRANS FUE380 (type-approved)			7ME3410-	
Diameter	Flow setting [m ³ /h] Qp[m ³ /h] ¹⁾ Qs [m ³ /h]			
DN 50 (2") ²⁾	15 ³⁾	30	1 B	
DN 50 (2") ²⁾	15 ³⁾	45	1 C	
DN 50 (2") ²⁾	30 ⁴⁾	45	1 D	
DN 65 (2½") ²⁾	25 ³⁾	50	1 F	
DN 65 (2½") ²⁾	25 ³⁾	72	1 G	
DN 65 (2½") ²⁾	50 ⁴⁾	72	1 H	
DN 80 (3") ²⁾	40 ³⁾	80	1 K	
DN 80 (3") ²⁾	40 ³⁾	120	1 L	
DN 80 (3") ²⁾	80 ⁴⁾	120	1 M	
DN 100 (4")	60 ³⁾	120	1 P	
DN 100 (4")	60 ³⁾	180	1 Q	
DN 100 (4")	120 ⁴⁾	180	1 R	
DN 125 (5")	100 ³⁾	200	1 T	
DN 125 (5")	100 ³⁾	280	1 U	
DN 125 (5")	200 ⁴⁾	280	1 V	
DN 150 (6")	150 ³⁾	300	2 B	
DN 150 (6")	150 ³⁾	420	2 C	
DN 150 (6")	300 ⁴⁾	420	2 D	
DN 200 (8")	250 ³⁾	500	2 F	
DN 200 (8")	250 ³⁾	700	2 G	
DN 200 (8")	500 ⁴⁾	700	2 H	
DN 250 (10")	400 ³⁾	800	2 K	
DN 250 (10")	400 ³⁾	1120	2 L	
DN 250 (10")	800 ⁴⁾	1120	2 M	
DN 300 (12")	560 ³⁾	1120	2 P	
DN 300 (12")	560 ³⁾	1560	2 Q	
DN 300 (12")	1120 ⁴⁾	1560	2 R	
DN 350 (14")	750 ³⁾	1500	2 T	
DN 350 (14")	750 ³⁾	2100	2 U	
DN 350 (14")	1500 ⁴⁾	2100	2 V	
DN 400 (16")	950 ³⁾	1900	3 B	
DN 400 (16")	950 ³⁾	2660	3 C	
DN 400 (16")	1900 ⁴⁾	2660	3 D	
DN 500 (20")	1475 ³⁾	2950	3 K	
DN 500 (20")	1475 ³⁾	4130	3 L	
DN 500 (20")	2950 ⁴⁾	4130	3 M	
DN 600 (24")	2150 ³⁾	4300	3 T	
DN 600 (24")	2150 ³⁾	6020	3 U	
DN 600 (24")	4300 ⁴⁾	6020	3 V	
DN 700 (28")	2900 ³⁾	5800	4 F	
DN 700 (28")	2900 ³⁾	8120	4 G	
DN 700 (28")	5800 ⁴⁾	8120	4 H	
DN 800 (32")	3800 ³⁾	7600	4 P	
DN 800 (32")	3800 ³⁾	10 640	4 Q	
DN 800 (32")	7600 ⁴⁾	10 640	4 R	
DN 900 (36")	5000 ³⁾	10 000	5 B	
DN 900 (36")	5000 ³⁾	14 000	5 C	
DN 900 (36")	10 000 ⁴⁾	14 000	5 D	
DN 1000 (40")	6000 ³⁾	12 000	5 K	
DN 1000 (40")	6000 ³⁾	16 800	5 L	
DN 1000 (40")	12 000 ⁴⁾	16 800	5 M	
DN 1200 (48")	9000 ³⁾	18 000	5 T	
DN 1200 (48")	9000 ³⁾	25 200	5 U	
DN 1200 (48")	18 000 ⁴⁾	25 200	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.

For notes 1) to 8) see next page

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Flowmeter SITRANS FUE380 (type-approved)			7ME3410-	
Flange norm and pressure rating				
System without sensor - only a transmitter				
EN 1092-1				
PN 16 (DN 100 ... DN 1200)			C	
PN 25 (DN 200 ... DN 1000)			D	
PN 40 (DN 50 ... DN 250) ⁵⁾			E	
Compact/remote connection				
Compact version, max. 120 °C (248 °F)			0	
Remote version, max. 150/200 °C (302/392 °F)				
5 m (16.4 ft)			2	
10 m (32.8 ft)			3	
20 m (65.6 ft)			4	
30 m (98.4 ft)			5	
Approvals/pulse output				
Without approval (neutral)			0	
Selectable pulse output				
With approval marks			1	
Selectable pulse output				
With approval marks and seal			2	
Selectable pulse output				
Pulse output value setup ⁸⁾				
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 m ³ /pulse			8	
0.25 l/pulse			9	N0A
0.5 l/pulse			9	N0B
5 l/pulse			9	N0C
25 l/pulse			9	N0D
500 l/pulse			9	N0E
2.5 m ³ /pulse			9	N0F
5 m ³ /pulse			9	N0G
10 m ³ /pulse			9	N0H
25 m ³ /pulse			9	N0J
50 m ³ /pulse			9	N0K
100 m ³ /pulse			9	N0L
250 m ³ /pulse			9	N0M
500 m ³ /pulse			9	N0N
1000 m ³ /pulse			9	N0P

Selection and Ordering data	Order No.	Order code
Flowmeter SITRANS FUE380 (type-approved)	7ME 3 4 1 0 -	
Transmitter SITRANS FUE080		
IP67/NEMA 4X/6 115 ... 230 V AC	B	
IP67/NEMA 4X/6 3.6 V battery version, incl. dual battery pack ⁶⁾	D	
IP67/NEMA 4X/6 115 ... 230 V AC, including 3.6 V single battery backup ⁶⁾	E	
IP67/NEMA 4X/6 3.6 V battery version (no battery pack included)	G	
Country/approval type⁷⁾		
Neutral, no approval mark	A	
China	C	
Russia, EN 1434/OIML R 75	M	
MID-Approval, (EN 1434/OIML R 75), English	R	
MID-Approval, (EN 1434/OIML R 75), German	S	
MID-Approval, (EN 1434/OIML R 75), Polish	T	
MID-Approval, (EN 1434/OIML R 75), French	U	
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	

¹⁾ Q_p (Q_n) is the normal flow according to the approval requirements. Q_p and Q_s is shown on the system label.

²⁾ Pipe material bronze brass

³⁾ EN 1434 flow values. The minimum flow (Q_i) should be checked in the PIA-selector or product master data base (PMD).

⁴⁾ OIML R 75/EN1434 flow values without PTB approval

⁵⁾ PN 40 standard for DN 50 ... DN 80 die-cast bronze pipes

⁶⁾ 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.

⁷⁾ Other countries in progress

⁸⁾ 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:
 $L/pulse > Q_s (m^3/h) / 360$
For example $Q_s = 300 m^3/h$; $L/pulse > 300/360$; $L/pulse > 0.83$; 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 FUE380	
Approval, verification and approval sealing as defined with the order number. See order code.	
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, Q_i , 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

Flowmeter SITRANS FUE380 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 on page 3/262 see chapter of transmitter FUS080/FUE080.



Please use online Product selector to get latest updates.

Product selector link:

www.pia-selector.automation.siemens.com