

Selection and Ordering data		Order-No.	
Spare parts (System)			
SITRANS FUS clamp-on	A)	7ME 3 9 4 0 -	
Power supplies, batteries and chargers			
Power supply 110 ... 230 V AC			
• for IP65 (NEMA 4X) or IP66 (NEMA7 Wall mount)		0 PA 0 0	
• for FUS1020		1 PA 0 0	
• for IP65 (NEMA 7) Compact		2 PA 0 0	
Power supply 9 ... 36 V DC			
• for IP65 (NEMA 4X) or IP66 (NEMA7 Wall mount)		0 PB 0 0	
• for FUS1020		1 PB 0 0	
• negative ground for NEMA 7 Compact		2 PJ 0 0	
• positive ground for NEMA 7 Compact		2 PK 0 0	
Portable meter batteries and accessories			
• Internal battery (Portable meters only)		3 PP 0 0	
• External 4-hour battery for portable meters		3 BB 0 0	
• Charger for external 4-hour battery (for US)		3 BC 1 0	
• Charger for external 4-hour battery (for Europe)		3 BC 2 0	
• 4-hour battery charger adapter for NEMA 6, weatherproof portable		3 BA 0 0	
IP67 Portable meter charger			
• Type A for Europe (CEE7/7)		3 PC 0 0	
• Type C for Australia (AS3112)		3 PD 0 0	
• Type D for UK (BS1363)		3 PE 0 0	
• Type J for Japan (JIS8303)		3 PF 0 0	
• Type K for US (NEMA 5-15P)		3 PG 0 0	
• Type L for Switzerland (SEV1011)		3 PH 0 0	
IP40 Portable meter charger			
• Type A for Europe (CEE7/7)		4 PC 0 0	
• Type C for Australia (AS3112)		4 PD 0 0	
• Type D for UK (BS1363)		4 PE 0 0	
• Type J for Japan (JIS8303)		4 PF 0 0	
• Type K for US (NEMA 5-15P)		4 PG 0 0	
• Type L for Switzerland (SEV1011)		4 PH 0 0	
System computer modules			
Modbus converter module	◆	CQO-1015N-5M	
	D)		
Mounting kit (type 1) for Modbus converter module	D)	CQO-1015N-5M-MK1	
Mounting kit (type 2) for Modbus converter module	D)	CQO-1015N-5M-MK2	
Mounting kit (type 3) for Modbus converter module	D)	CQO-1015N-5M-MK3	
Field configuration kit with manual, for Modbus converter module	D)	CQO-1015N-5M-FK1	
Pipe mounting brackets			
2 inch pipe mounting bracket for IP65 (NEMA 7)	D)	CQO-1012XMB-1	
2 inch pipe mounting bracket for IP65 (NEMA 4X)	D)	CQO-1012NMB-1	

Selection and Ordering data		Order-No.	
Spare parts (Transducers)			
SITRANS FUS clamp-on			
Meter type			
Dedicated (FUS1010, FUG1010, FUH1010, FUE1010, FUS1020)	A)	7ME 3 9 5 0 -	
Portable (FUP1010 or FUE1010)	A)	7ME 3 9 5 1 - 0	
Approvals			
UL, ULc, CE (FUS1020 and Portable only)			0
FM /CSA hazardous (classified) locations			1
ATEX EEx ia (not for RTDs)			2
INMETRO (not for (RTDs)			3
Spare transducer code			
For liquid flow transducers pipe ranges please refer to transducer selection chart in the FUS1010 section			
Liquid flow transducers for use with mounting frames or tracks (including portable)			
A2 universal			LB 0 0
B3 universal	◆		LC 0 0
C3 universal	◆		LD 0 0
D3 universal	◆		LE 0 0
E2 universal	◆		LF 0 0
A1H (high precision)			LG 0 0
A2H (high precision)			LH 0 0
A3H (high precision)			LJ 0 0
B1H (high precision)			LK 0 0
B2H (high precision)			LL 0 0
B3H (high precision)			LT 0 0
C1H (high precision)	◆		LM 0 0
C2H (high precision)	◆		LN 0 0
D1H (high precision)	◆		LP 0 0
D2H (high precision)	◆		LQ 0 0
D3H (high precision)			LU 0 0
D4H (high precision)			LR 0 0
Doppler			LS 0 0
High precision liquid transducer for weld seal enclosures			
B1H (high precision, weld seal)			SK 0 0
B2H (high precision, weld seal)			SL 0 0
B3H (high precision, weld seal)			ST 0 0
C1H (high precision, weld seal)			SM 0 0
C2H (high precision, weld seal)			SN 0 0
D1H (high precision, weld seal)			SP 0 0
D2H (high precision, weld seal)			SQ 0 0
D2H (high precision, weld seal)			SU 0 0
D4H (high precision, weld seal)			SR 0 0
High temperature universal liquid transducers			
Note: not available with INMETRO approval			
High temp. transducer size 1 for up to 230 °C (12.7 to 100 mm diam.)			LA 1 0
High temp. transducer size 2 for up to 230 °C (30 to 200 mm diam.)			LA 2 0
High temp. transducer size 3 for up to 230 °C (150 to 600 diam.)			LA 3 0
High temp. transducer size 4 for up to 230 °C (400 to 1200 diam.)			LA 4 0
◆ Mainstream products (delivery time 4 to 6 weeks)			

A) Subject to export regulations AL: 91999, ECCN: EAR99H.

D) Subject to export regulations AL: N, ECCN: EAR99H.

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Spare parts (Transducers)		Spare parts (Transducers)	
SITRANS FUS clamp-on		SITRANS FUS clamp-on	
Meter type		Meter type	
Dedicated (FUS1010, FUG1010, FUH1010, FUE1010, FUS1020)	A)	7ME3 950 -	
Portable (FUP1010 or FUE1010)	A)	7ME3 951 - 0	
FUS1020 High precision liquid flow transducer		Thickness gauge transducers	
A1H (high precision FUS 1020)		Thickness gauge transducer with adapter (for IP67 portable)	0TG00
A2H (high precision FUS 1020)		Thickness gauge transducer (for IP40 portable)	0TG10
A3H (high precision FUS 1020)			
B1H (high precision FUS 1020)			
B2H (high precision FUS 1020)			
C1H (high precision FUS 1020)			
C2H (high precision FUS 1020)			
D1H (high precision FUS 1020)			
D2H (high precision FUS 1020)			
<u>For gas flow transducers pipe ranges please refer to transducer selection chart in the FUG1010 section</u>		◆ Mainstream products (delivery time 4 to 6 weeks)	
<u>High precision gas flow transducers for use with mounting frames or tracks</u>			
B1H (high precision)		GK00	
B2H (high precision)		GL00	
B3H (high precision)		GT00	
C1H (high precision)		GM00	
C2H (high precision)	◆	GN00	
D1H (high precision)	◆	GP00	
D2H (high precision)	◆	GQ00	
D3H (high precision)		GU00	
D4H (high precision)	◆	GR00	
<u>High precision gas transducer for weld seal enclosures</u>			
B1H (high precision, weld seal)		HK00	
B2H (high precision, weld seal)		HL00	
B3H (high precision, weld seal)		HT00	
C1H (high precision, weld seal)		HM00	
C2H (high precision, weld seal)		HN00	
D1H (high precision, weld seal)		HP00	
D2H (high precision, weld seal)		HQ00	
D3H (high precision, weld seal)		HU00	
D4H (high precision, weld seal)		HR00	
<u>Standard RTD transducers (not for energy systems)</u>			
Standard clamp-on RTD	◆	1TA00	
Submersible clamp-on RTD (not for portable)	◆	1TB00	
Insertion style RTD pair (size 1), 140 mm (5.5 inch)		1TJ00	
Insertion style RTD pair (size 2), 216 mm (8.5 inch)		1TJ01	
Insertion style RTD pair (size 3), 292 mm (11.5 inch)		1TJ02	
Insertion style RTD pair (size 4), 368 mm (14.5 inch)		1TJ03	
<u>Standard for energy system (matched pair)</u>			
Standard clamp-on RTD	◆	1TA10	
Insertion style RTD pair (size 1) for Energy system FUE1010, 140 mm (5.5 inch)		1TJ10	
Insertion style RTD pair (size 2) for Energy system FUE1010, 216 mm (8.5 inch)		1TJ11	
Insertion style RTD pair (size 3) for Energy system FUE1010, 292 mm (11.5 inch)		1TJ12	
Insertion style RTD pair (size 4) for Energy system FUE1010, 368 mm (14.5 inch)		1TJ13	

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Spare parts (Miscellaneous)			
SITRANS FUS clamp-on	A)	7ME 3 9 6 0 -	

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Spare parts (Miscellaneous)			
SITRANS FUS clamp-on	A)	7ME 3 9 6 0 -	
Transducer mounting tracks (aluminium with mounting straps) for pipes < 125 mm (5 inch)			
• Universal transducer size A or B	◆		0MA 0 0
• High precision transducer size A or B			0MB 0 0
Stainless mounting tracks for high temp 991 transducers			
• Size 1 high temp transducer pair	A)	CQO-992MTNHMSH-1	
• Size 2 high temp transducer pair	A)	CQO-992MTNHMSH-2	
• Size 3 high temp transducer pair	A)	CQO-992MTNHMSH-3	
• Size 4 high temp transducer pair	A)	CQO-992MTNHMSH-4	
Clamp-on RTD mounting hardware for dedicated systems			
• RTD mounting hardware for dedicated system: 152 to 610 mm (6 to 24 inch)			0MR 0 0
• RTD mounting hardware for dedicated system: 12.7 to 50.8 mm (0.5 to 2 inch)			0MR 0 1
• RTD mounting hardware for dedicated system: 31.8 to 203.2 mm (1.25 to 8 inch)	◆		0MR 0 2
• RTD mounting hardware for dedicated system: 508 to 1219 mm (20 to 48 inch)			0MR 0 4
• Junction box for clamp on RTD's	◆	CQO-992ECJ	
	D)		
Portable transducer mounting hardware			
Transducer mounting frames			
• Universal transducer size B (for pipes >125 mm (5 inch))	D)	CQO-1012FP-PB	
• Universal transducer size C	◆		3MC 0 0
• Universal transducer size D	◆		3MC 0 1
• Universal transducer size E	◆		3MC 0 2
• High precision transducer size B (for pipes > 125 mm (5 inch))	D)	CQO-1012FPH-PB	
• High precision transducer size C	◆		3MD 0 0
• High precision transducer size D	◆		3MD 0 1
Spacer bar (for indexing portable transducers)			
			3MS 0 0
Mounting chain and EZ clamp hardware			
• EZ clamp hardware set for DN 25 to DN 600 (1 to 24 inch); handles all transducers except "D" size HP and "E" size univ.	◆	CQO-1012Z-1	
	D)		
• EZ clamp hardware set for DN 25 to DN 600 (1 to 24 inch) for "D" size HP and "E" size universal	D)	CQO-1012Z-2	
• Mounting chain for portable transducers: 4 x 760 mm lengths			3CM 1 0
• Mounting chain for portable transducers: 2 x 760 mm and 2 x 1500 mm lengths			3CM 2 0
Transducer mounting tracks for portable transducers (aluminum with mounting straps) for pipes < 125 mm (5 inch) for			
• Universal transducer size A or B	◆		3MA 0 0
• High precision transducer size A or B			3MB 0 0
RTD mounting hardware for portable system			
			3MR 0 0
Transducer connector adaptors			
• "F" connector to BNC adapter (order 2 per transducer set)	D)	CQO-1012NPPA	
◆ Mainstream products (delivery time 4 to 6 weeks)			

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Spare parts (Miscellaneous)		
SITRANS FUS clamp-on	A)	7ME 3 9 6 0 -
Insert RTD Thermowells		
• Thermowell std. duty uninsulated pipe 140 mm (5.5 inch)	D)	CQO-1012TW-1
• Thermowell std. duty uninsulated pipe 216 mm (8.5 inch)	D)	CQO-1012TW-2
• Thermowell std. duty uninsulated pipe 292 mm (11.5 inch)	D)	CQO-1012TW-3
• Thermowell heavy duty uninsulated pipe 140 mm (5.5 inch)	D)	CQO-1012TW-1HD
• Thermowell heavy duty uninsulated pipe 216 mm (8.5 inch)	D)	CQO-1012TW-2HD
• Thermowell heavy duty uninsulated pipe 292 mm (11.5 inch)	D)	CQO-1012TW-3HD
• Thermowell std. duty with lagging 140 mm (5.5 inch)	A)	CQO-1012TW-1L
• Thermowell std. duty with lagging 216 mm (8.5 inch)	A)	CQO-1012TW-2L
• Thermowell std. duty with lagging 292 mm (11.5 inch)	A)	CQO-1012TW-3L
• Thermowell tapered heavy duty with lagging 140 mm (5.5 inch)	A)	CQO-1012TW-1HDL
• Thermowell tapered heavy duty with lagging 216 mm (8.5 inch)	A)	CQO-1012TW-2HDL
• Thermowell tapered heavy duty with lagging 292 mm (11.5 inch)	A)	CQO-1012TW-3HDL
Transducer cables for		
(Use „Transducer cable selection chart“ to complete Order No. with ##)		
• IP65 (NEMA 4X) or IP 66 (NEMA 7 wall mount)		0 CK ##
• IP65 (NEMA 4) FUS 1020		1 CK ##
• IP65 (NEMA 7) Compact		2 CK ##
• IP67 Weather proof portable		3 CK ##
• IP40 (NEMA 1) Portable		4 CK ##
RTD cables for		
(Use „Transducer cable selection chart“ to complete Order No. with ##)		
• All dedicated systems (except FUS 1020)		0 CR ##
• IP67 Weather proof portable		3 CR ##
• IP40 (NEMA 1) Portable		4 CR ##
Dedicated cable termination kits		
• Standard, plenum and armored transducer cable (NEMA 4X and NEMA 7 wall)		0 CT 0 1
• Submersible transducer cable (NEMA 4X and NEMA 7 wall)		0 CT 1 1
• Standard and plenum transducer cable (FUS1020)		1 CT 0 1
• Standard, plenum and armored transducer cable (compact NEMA 7)		2 CT 0 1
• Submersible transducer cable (compact NEMA 7)		2 CT 1 1
• Clamp-on RTD cable termination kit for standard RTD		0 CT 2 1
• Clamp-on RTD cable termination kit for submersible RTD		0 CT 3 1
• Insert RTD cable termination kit		0 CT 4 1

Selection and Ordering data		Order-No.
Spare parts (Miscellaneous)		
SITRANS FUS clamp-on	A)	7ME3960 -
Ultrasonic couplants		
• Temporary water based for portable systems: 350 ml (12 oz): -34 ... +38 °C (-30 ... +100 °F)		0UC10
• Permanent synthetic polymer based: 90 ml (3 oz) -40 ... +190 °C (-40 ... +375 °F)		0UC20
• Permanent high temp fluoroether: 12 ml (0.4 oz): -40 ... +230 °C (-40 ... +450 °F)		0UC30
• Permanent high temp fluoroether: 163 ml (5.5 oz): -40 ... +230 °C (-40 ... +450 °F)		0UC31
• Permanent vulcanizing silicone rubber couplant: 90 ml (3 oz): -40 ... +120 °C (-40 ... +250 °F)	D)	CQO-CC112
• Permanent high temp silicone grease: 12 ml (0.4 oz): -40 ... +230 °C (-40 ... +450 °F)	D)	CQO-CC117
• Permanent high temp silicone grease: 150 ml (5 oz): -40 ... +230 °C (-40 ... +450 °F)	D)	CQO-CC117A
• Couplant for submersible transducer applications	D)	CQO-CC120
Pipe damping films for FUG gas systems		
• B1, B2, B3, C1 and C2 transducers		0DM10
• D1 and D3 transducers		0DM20
• D2 transducer		0DM30
• D4 transducer		0DM40
Serial RS232 Cables and I/O Adapters		
• RS232 Cable for all dedicated meters		0CS00
• RS232 Cable for IP66 Weather proof portabled meter		3CS00
• RS232 Cable for IP40 Portable meter		4CS00
• I/O adapter for IP66 Weather proof portable meter		3AD00
Portable (battery powered) Printers and Printer Cables		
• Portable printer with 115 V AC charger		3PP00
• Portable printer with 230 V AC charger		3PP10
• Serial printer pable for IP66 weather proof portable meter		3PC00
• Serial printer cable for IP40 Portable meter		4PC00
• Thermal printer paper (4 rolls)		0PR00
Portable Meter Carrying Case		
		3CC00
Universal Transducer Test Blocks		
• Test block for size A and B universal transducers		0TB10
• Test block for size C and D universal transducers		0TB20
Field Manuals		
• CD with documentation for SITRANS F US Clamp-on ultrasonic flowmeters (English)	A)	CQO-CDM0001

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Transducer cable selection chart

Transducer cable codes for length and type options				
Cable length m (ft)	Standard -40...+80 °C (-40...+176 °F)	Submersible -40...+80 °C (-40...+176 °F)	Plenum -40...+200 °C (-40...+392 °F)	Armored -40...+80 °C (-40...+176 °F)
	Order code			
6 (20)	K01	K11 ¹⁾	K21	K31 ¹⁾
15 (50)	K02	K12 ¹⁾	K22	K32 ¹⁾
30 (100)	K03	K13 ¹⁾	K23	K33 ¹⁾
46 (150)	K04 ²⁾	K14 ^{1) 2)}	K24 ²⁾	K34 ^{1) 2)}
61 (200)	K05 ²⁾	K15 ^{1) 2)}	K25 ²⁾	K35 ^{1) 2)}
91 (300)	K06 ²⁾	K16 ^{1) 2)}	K26 ²⁾	K36 ^{1) 2)}

¹⁾ Armored or submersible transducer cable is not available for FUP1010, FUE1010 portable systems or FUS1020 systems.

²⁾ Length not available for portable meters.

RTD cable selection chart

RTD cable codes for length and type				
Cable length m (ft)	Standard -40 ... +200 °C (-40 ... +392 °F)	Submersible -40 ... +200 °C (-40 ... +392 °F)	for insert RTD -40 ... +200 °C (-40 ... 392 °F)	for submers- ible insert RTD -40 ... +200 °C (-40 ... 392 °F)
	Order code			
6 (20)	R01	R11 ¹⁾	R21	R31 ¹⁾
15 (50)	R02	R12 ¹⁾	R22	R32 ¹⁾
30 (100)	R03	R13 ¹⁾	R23	R33 ¹⁾
46 (150)	R04 ²⁾	R14 ^{1) 2)}	R24	R34 ^{1) 2)}
61 (200)	R05 ²⁾	R15 ^{1) 2)}	R25	R35 ^{1) 2)}
91 (300)	R06 ²⁾	R16 ^{1) 2)}	R26	R36 ^{1) 2)}

¹⁾ Submersible RTD cable is not available for FUP1010, FUE1010 portable systems or FUS1020 systems.

²⁾ Length not available for portable meters.