Selection and Ordering data	Order No.	Order Code
SITRANS FUT1010 (Liquid)	**7 ME 3 6 2 ■ - ■■■■■ - 0 ■■■**	**■■■**

Transmitter type

No Transmitter	0
IP65 NEMA 4X (2 path)	1
IP65 NEMA 4X (2 path) with MODBUS	2
IP65 NEMA 4X (3 or 4 path)	3
IP65 NEMA 4X (3 or 4 path) with MODBUS	4
IP66 NEMA 7 wall mount/explosionproof (2 Path)	5
P66 NEMA 7 wall mount/explosionproof (2 Path) with MODBUS	6
P66 NEMA 7 wall mount/explosionproof (3 or 4 Path)	7
P66 NEMA 7 wall mount/explosionproof (3 or 4 Path) Iwith MODBUS	8

Input power

90 ... 240 V AC	1
9 ... 36 V DC	2

Number of ultrasonic paths

2 path	B
3 path	C
4 path	D

Pipe size

DN 100 (4") (Dual Path only)	A
DN 150 (6")(Dual Path only)	B
DN 200 (8")	C
DN 250 (10")	D
DN 300 (12")	E
DN 400 (16")	F
DN 450 (18")	G
DN 500 (20")	H
DN 600 (24")	J

Flange rating

Class 150 (Raised Face)	0
Class 300 (Raised Face)	1
Class 600 (Raised Face)	2

Upstream/downstream meter run

None	0
10 pipe diameter upstream Tube only	1
10 pipe diameter upstream Tube with flow conditioner	2
5 pipe diameter downstream tube only	3
10D up and 5D downstream tubes	4
10D up and 5D downstream tubes with flow conditioner	5

Liquid type range (select closest match)

Water	A
Multiple Crude Oils	B
Light Crude only	C
Heavy Crude only	D
Multiple Finished Products	E
Gasolines Only	F
Kerosene	G
Jet Fuel	H
Diesel	J
Multiple Fuel Oils	K
Heavy Fuel Oils	L
Liquified Gases	M

Liquid temperature range

-28 ... +65 °C (-20 ... +150 °F)	A
1 ... 93 °C (30 ... 200 °F)	B

Transmitter and sensor approval

FM/CSA, CE	1
ATEX and PED, CE, C-TICK	2
INMETRO	3

Selection and Ordering data	Order code
Further designs Please add "**-Z**" to Order No. and specify Order code(s).	
Cable assembly for flow sensor (add one K.. per flow path)	
• Cable and termination for one sensor path (see "Sensor cable chart for options")	**K..**
• Termination for user supplied cable	**T01**
Cable assembly for temperature sensor (only 1 required)	
• Cable and termination for temperature sensor (see "Transducer cable chart for options").	**R..**
• Termination for user supplied RTD cable	**T31**
Nace Certification	
• Nace, Spool only	**C10**
• Nace, W/10D upstream	**C11**
• Nace, W/10D upstream, cond	**C12**
• Nace, W/5D downstream	**C13**
• Nace, W/10D up, 5D dn	**C14**
• Nace, W/10D up, cond, 5D dn	**C15**
Standard Cal: Oil (2 cst), Forward flow direction, 6 points, 6 verification points, Range 2 ... 20 ft/sec, Lab pressure and temperature	
• Calibration, 100 DN (4 inch)	**D10**
• Calibration, 150 DN (6 inch)	**D11**
• Calibration, 200 DN (8 inch)	**D12**
• Calibration, 250 DN (10 inch)	**D13**
• Calibration, 300 DN (12 inch)	**D14**
• Calibration, 400 DN (16 inch)	**D15**
• Calibration, 450 DN (18 inch)	**D16**
• Calibration, 500 DN (20 inch)	**D17**
• Calibration, 600 DN (24 inch) D18	**D18**
• Calibration, Other contact factory for quote	**Y28**
Tag name plate • Stainless steel tags with 3.2 mm (0.13 inch) character size (68 characters max.)	**Y19**

Selection and Ordering data	Order No.
Operating Instructions for SITRANS FUT1010 (Liquid)	
English NEMA 4X wall mount& NEMA 7 wall mount explosionproof	**A5E02639184**
German NEMA 4X wall mount & NEMA 7 wall mount explosionproof	**A5E03086468**

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

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

Selection and Ordering data	Order No.	Order Code
SITRANS FUT1010 (Gas)	7 ME 3 6 3 ■ - ■ ■ ■ ■ ■ - 0 ■ ■ ■	■ ■ ■

Transmitter type

No meter	0
IP65 NEMA 4X (2 path)	1
IP65 NEMA 4X (2 path) with MODBUS	2
IP65 NEMA 4X (3 or 4 path)	3
IP65 NEMA 4X (3 or 4 path) with MODBUS	4
IP66 NEMA 7 wall mount flame/explosion proof (2 Path)	5
IP66 NEMA 7 wall mount flame/explosion proof (2 Path) with MODBUS	6
IP66 NEMA 7 wall mount flame/explosion proof (3 or 4 Path)	7
IP66 NEMA 7 wall mount flame/explosion proof (3 or 4 Path) with MODBUS	8

Input power

90 ... 240 V AC	1
9 ... 36 V DC	2

Number of ultrasonic paths

2 path (standard enclosure material)	B
3 path (standard material)	C
4 path (standard material)	D

Pipe size

DN 100 (4") (Dual Path only)	A
DN 150 (6")(Dual Path only)	B
DN 200 (8")	C
DN 250 (10")	D
DN 300 (12")	E
DN 400 (16")	F
DN 450 (18")	G
DN 500 (20")	H
DN 600 (24")	J

Flange rating

Class 300 (Raised Face)	1
Class 600 (Raised Face)	2

Upstream/downstream meter run

None	0
10 pipe diameter upstream Tube only	1
10 pipe diameter upstream Tube with flow conditioner	2
5 pipe diameter downstream tube only	3
10D up <u>and</u> 5D downstream tubes	4
10D up <u>and</u> 5D downstream tubes with flow conditioner	5

Gas type range (select closest match)

Natural Gas (mostly CH_4)	A
Process Gases (N_2, O_2, CO, Ar)	B
Helium	C
Hydrogen	D

Gas temperature range

-28 ... +65 °C (-20 ... +150 °F)	A
1 ... 93 °C (30 ... 200 °F)	B

Transmitter and sensor approval

FM/CSA, CE	1
ATEX and PED, CE, C-TICK	2
INMETRO	3

Selection and Ordering data	Order code
Further designs Please add "**-Z**" to Order No. and specify Order code(s).	
Cable assembly for flow sensor (Add one K.. per flow path)	
• Cable and termination for one sensor path (see "Transducer cable chart for options")	**K..**
• Termination for user supplied cable	**T01**
Cable assembly for temperature sensor (only 1 required)	
• Cable and termination for temperature sensor (see "Transducer cable chart for options").	**R..**
• Termination for user supplied RTD cable	**T31**
Nace Certification	
• Nace, Spool only	**C10**
• Nace, W/10D upstream	**C11**
• Nace, W/10D upstream, cond	**C12**
• Nace, W/5D downstream	**C13**
• Nace, W/10D up, 5D dn	**C14**
• Nace, W/10D up, cond, 5D dn	**C15**
Standard Cal: Nat Gas, Forward flow direction, 7 points, 2 verification points, Range 10 ... 100 ft/sec, Lab pressure and temperature	
• Calibration, 100 DN (4 inch)	**D10**
• Calibration, 150 DN (6 inch)	**D11**
• Calibration, 200 DN (8 inch)	**D12**
• Calibration, 250 DN (10 inch)	**D13**
• Calibration, 300 DN (12 inch)	**D14**
• Calibration, 400 DN (16 inch)	**D15**
• Calibration, 450 DN (18 inch)	**D16**
• Calibration, 500 DN (20 inch)	**D17**
• Calibration, 600 DN (24 inch)	**D18**
• Calibration, Other contact factory for quote	**Y28**
Tag name plate • Stainless steel tags with 3.2 mm (0.13 inch) character size (68 characters max.)	**Y19**

Selection and Ordering data	Order No.
Operating Instructions for SITRANS FUT1010 (Gas)	
English NEMA 4X wall mount & NEMA 7 wall mount explosionproof	**A5E02639185**
German NEMA 4X wall mount & NEMA 7 wall mount explosionproof	**A5E03086485**

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