

Selection and Ordering data		Order No.	
SITRANS FX300 Flanged Single transmitter and T _{max} = 240 °C (464 °F)		7 ME 2 6 0 0 - - - - - -	
Connection size	Sensor size		
DN 15 (½")	DN 15	1 A	
DN 25 (1")	DN 25	2 B	
DN 40 (1½")	DN 40	2 K	
DN 50 (2")	DN 50	2 R	
DN 80 (3")	DN 80	3 L	
DN 100 (4")	DN 100	3 S	
DN 150 (6")	DN 150	4 M	
DN 200 (8")	DN 200	4 T	
DN 250 (10")	DN 250	4 W	
DN 300 (12")	DN 300	5 E	
Flange norm and nominal pressure			
Form B1/B2	EN 1092-1		
PN 10	DN 200 ... 300	A	
PN 16	DN 50 ... 300	B	
PN 25	DN 200 ... 300	C	
PN 40	DN 15 ... 300	D	
PN 63	DN 50 ... 150	E	
PN 100	DN 15 ... 150	F	
RF	ASME B16.5		
150 lb	½ ... 12"	J	
300 lb	½ ... 12"	K	
600 lb	½ ... 6"	L	
Sensor material/Gasket			
St. steel AISI 316L (1.4404)/AISI 316L (1.4435)/ FPM		1	
St. steel AISI 316L (1.4404)/AISI 316L (1.4435)/ FFKM		5	
Transmitter design			
Compact version - no cable		1	
Remote version:			
5 m (16.4 ft)		2	
10 m (32.8 ft)		3	
15 m (49.2 ft)		4	
Approval and cable gland			
Non-Ex, M20 x 1.5		1	
Non-Ex, ½" NPT		2	
IEC Ex, M20 x 1.5		3	
ATEX, M20 x 1.5		4	
ATEX, ½" NPT		5	
FM US/C, M20 x 1.5		6	
FM US/C, ½" NPT		7	
IEC Ex, ½" NPT		8	
Transmitter, display and communication			
With display, HART		A	
Pressure sensor and isolation valve			
Without pressure sensor		A	
With pressure sensor, range:			
4 bar (58 psi)		B	
6 bar (87 psi)		D	
10 bar (145 psi)		E	
16 bar (232 psi)		G	
25 bar (363 psi)		H	
40 bar (580 psi)		K	
60 bar (870 psi)		L	
100 bar (1450 psi)		N	
With isolation valve and pressure sensor, range:			
4 bar (58 psi)		P	
6 bar (87 psi)		Q	
10 bar (145 psi)		R	
16 bar (232 psi)		S	
25 bar (363 psi)		U	
40 bar (580 psi)		V	
60 bar (870 psi)		W	
100 bar (1450 psi)		Y	

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SITRANS FX300 Flanged Single transmitter and T _{max} = 240 °C (464 °F)		7 ME 2 6 0 0 - - - - - -	
Software			
Uncompensated for gases, wet gases, steam and liquids, respectively, temperature compensation for saturated steam			1
Density compensation for superheated steam			4
Density compensation for superheated steam and setting of Gross heat Opt. Y51 ... Y56 for Energy measuring			5
Density compensation for gases and wet gases and setting of Relative humidity at opt. Y49			7
Density compensation for gases, wet gases and setting of FAD - free air delivery Opt. Y49 and Y81 ... Y87 for Compressor settings			8

Selection and Ordering data		Order code
Additional information Please add “-Z” to Order No. and specify as minimum Order code Y40, Y41, Y42 and Y45 and plain text.		
Input process data		
Medium: Specify steam, gas, liquid or customised		Y40
Temperature: Specify max. operating temperature and units		Y41
Pressure: Specify max. operating pressure and units		Y42
Density (only by customer-specified medium): Specify medium density and units		Y43
Viscosity (only by customer-specified medium): Specify medium viscosity and units		Y44
Flow rate: Specify min./max. flow rate and units		Y45
Setting of pulse output: Specify totalizer or energy unit (1 pulse/unit)		Y47
Relative humidity (amount in % of process medium)		Y49
Settings of gross heat		
Variable current output		Y51
Power unit (specify: kJ/h, MJ/h, GJ/h, Btu/h, kcal/h, kW, MW or special (custom))		Y52
Fullscale power value		Y53
Variable pulse output		Y54
Totalizer on/off		Y55
Configure totalizer (specify: kJ, MJ, GJ, Btu th, kcal, kWh, MWh or special (custom))		Y56
Settings of FAD		
Inlet suction temperature		Y81
Atmosphere pressure		Y82
Pressure drop filter		Y83
Inlet relative humidity		Y84
Actual revolutions per minute (of compressor)		Y85
Rated Rpm of compressor		Y86
Outlet relative humidity		Y87
This information is available from compressor supplier.		

Operating instructions	
Description	Order No.
English	A5E2100423
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 code
Further designs Please add “-Z” to Order No. and specify Order code.		
Converter housing material		
Aluminum for increased requirement, color: petrol green		A10
Material certificate		
Certificate of compliance EN 10204-2.1		C10
Pressure test + 3.1 accordance EN 10204		C11
Material certificate pressure parts + certificate 3.1		C12
Material in accordance with NACE MR 0175-01		C13
PMI of pressure bearing metal parts + certificate 3.1		C14
Material certificate pressure parts + PMI/certificate 3.1		C15
Calibration certificate FX300		
As standard the flow device has a 3-point calibration certificate.		
Calibration certificate (5 point)		D11
Hardness test		
Hardness test on pressure bearing parts + 3.1 Equotip LD procedure according to NACE MR 0175-01		
		H30
Cleaning for oil and fat		
Class 1 increased requirement (customer-specified) and 3.1 (EN 10204)		
		K46
Class 2 and 3.1 (EN 10204)		
		K48
Certificates		
X-ray test on pressure bearing weldings		
		M56
Dye penetration test on pressure bearing weldings		
		M58
Tag name plate		
Stainless steel tag with 3 mm characters, max. 2 x 8 characters (40 x 20 mm, add plain text)		
		Y17
Stainless steel tag with 2.5 mm characters, max. 8 x 40 characters (120 x 46 mm, add plain text)		
		Y18

Selection and Ordering data		Order No.					
SITRANS FX300 Sandwich Single transmitter and T_{max} = 240 °C (464 °F)		7 ME 2 7 0 0 -					
Connection size	Sensor size	1 A					
DN 15 (½")	DN 15	2 B					
DN 25 (1")	DN 25	2 K					
DN 40 (1½")	DN 40	2 R					
DN 50 (2")	DN 50	3 L					
DN 80 (3")	DN 80	3 S					
DN 100 (4")	DN 100						
Nominal pressure							
EN							
PN 16	DN 50 ... 100	B					
PN 40	DN 15 ... 100	D					
PN 63	DN 50 ... 100	E					
PN 100	DN 15 ... 100	F					
ASME							
150 lb	½ ... 4"	J					
300 lb	½ ... 4"	K					
600 lb	½ ... 4"	L					
Sensor material/Gasket							
St. steel AISI 316L (1.4404)/AISI 316L (1.4435)/FPM		1					
St. steel AISI 316L (1.4404)/AISI 316L (1.4435)/FFKM		5					
Transmitter design							
Compact version - no cable		1					
Remote version:							
5 m (16.4 ft)		2					
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FM US/C, M20 x 1.5		6					
FM US/C, ½" NPT		7					
IEC Ex, ½" NPT		8					
Transmitter, display and communication							
With display, HART		A					
Pressure sensor and isolation valve							
Without pressure sensor		A					
With pressure sensor, range:							
4 bar (58 psi)		B					
6 bar (87 psi)		D					
10 bar (145 psi)		E					
16 bar (232 psi)		G					
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40 bar (580 psi)		V					
60 bar (870 psi)		W					
100 bar (1450 psi)		Y					

Selection and Ordering data	Order No.
SITRANS FX300 Sandwich Single transmitter and T_{max} = 240 °C (464 °F)	7ME2700 - 
Software	
Uncompensated for gases, wet gases, steam and liquids respectively temperature compensation for saturated steam	1
Density compensation for superheated steam	4
Density compensation for superheated steam and setting of Gross heat Opt. Y51 ... Y56 for Energy measuring	5
Density compensation for gases and wet gases and setting of Relative humidity at opt. Y49	7
Density compensation for gases, wet gases and setting of FAD - free air delivery Opt. Y49 and Y81 ... Y87 for Compressor settings	8

Selection and Ordering data		Order code
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Setting of pulse output: Specify totalizer or energy unit (1 pulse/unit)		Y47
Relative humidity (amount in % of process medium)		Y49
Settings of gross heat		
Variable current output		Y51
Power unit (specify: kJ/h, MJ/h, GJ/h, Btu/h, kcal/h, kW, MW or special (custom))		Y52
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Calibration certificate FX300		
As standard the flow device has a 3-point calibration certificate.		
Calibration certificate (5-point)		D11
Hardness test		
Hardness test on pressure bearing parts + 3.1 Equotip LD procedure according to NACE MR 0175-01		H30
Cleaning for oil and fat		
Class 1 increased requirement (customer-specified) and 3.1 (EN 10204)		K46
Class 2 and 3.1 (EN 10204)		K48
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Flow rate: Specify min./max. flow rate and units		Y45
Setting of pulse output; Specify totalizer or energy unit (1 pulse/unit)		Y47
Relative humidity (amount in % of process medium)		Y49
Operating instructions for SITRANS FX300		
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