

Selection and Ordering data		Article No.	Ord. code	Selection and Ordering data		Article No.	Ord. code
SITRANS FX300 Flanged Single transmitter and T_{max} = 240 °C (464 °F)		7ME2600-		SITRANS FX300 Flanged Single transmitter and T_{max} = 240 °C (464 °F)		7ME2600-	
Connection size	Sensor size			Pressure sensor and isolation valve			
DN 15 (1/2")	DN 15	1 A		Without pressure sensor		A	
DN 25 (1")	DN 25	2 B		With pressure sensor, range:			
DN 40 (1 1/2")	DN 40	2 K		4 bar (58 psi)		B	
DN 50 (2")	DN 50	2 R		6 bar (87 psi)		D	
DN 80 (3")	DN 80	3 L		10 bar (145 psi)		E	
DN 100 (4")	DN 100	3 S		16 bar (232 psi)		G	
DN 150 (6")	DN 150	4 M		25 bar (363 psi)		H	
DN 200 (8")	DN 200	4 T		40 bar (580 psi)		K	
DN 250 (10")	DN 250	4 W		60 bar (870 psi)		L	
DN 300 (12")	DN 300	5 E		100 bar (1450 psi)		N	
Flange norm and nominal pressure				With isolation valve and pressure sensor, range:			
Form B1/B2	EN 1092-1			4 bar (58 psi)		P	
PN 10	DN 200 ... 300	A		6 bar (87 psi)		Q	
PN 16	DN 50 ... 300	B		10 bar (145 psi)		R	
PN 25	DN 200 ... 300	C		16 bar (232 psi)		S	
PN 40	DN 15 ... 300	D		25 bar (363 psi)		U	
PN 63	DN 50 ... 150	E		40 bar (580 psi)		V	
PN 100	DN 15 ... 150	F		60 bar (870 psi)		W	
RF	ASME B16.5			100 bar (1450 psi)		Y	
150 lb	1/2 ... 12"	J		Software			
300 lb	1/2 ... 12"	K		Uncompensated for gases, wet gases, steam and liquids, respectively, temperature compensation for saturated steam		1	
600 lb	1/2 ... 6"	L		Density compensation for superheated steam		4	
Sensor material/Gasket				Density compensation for superheated steam and setting of Gross heat Opt. Y51 ... Y56 for Energy measuring		5	
St. steel AISI 316L (1.4404)/AISI 316L (1.4435)/FPM		1		Density compensation for gases and wet gases and setting of Relative humidity at opt. Y49		7	
St. steel AISI 316L (1.4404)/AISI 316L (1.4435)/FFKM		5		Density compensation for gases, wet gases and setting of FAD - free air delivery Opt. Y49 and Y81 ... Y87 for Compressor settings		8	
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, 1/2" NPT		2					
FM approval Class 1 Div. 2, M20 x 1.5		3					
ATEX, M20 x 1.5		4					
ATEX, 1/2" NPT		5					
FM approval Class 1 Div. 1, M20 x 1.5		6					
FM approval Class 1 Div. 1, 1/2" NPT		7					
FM approval Class 1 Div. 2, 1/2" NPT		8					
Further approvals and cable glands							
IEC Ex with M20 x 1.5		9	N 0 A				
IEC Ex with 1/2" NPT		9	N 0 B				
Transmitter, display and communication							
With display, HART			A				

Flow Measurement

SITRANS F X

SITRANS FX300

Selection and Ordering data

Additional information

Please add "-Z" to Article 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 temperature¹⁾ **Y81**

Atmosphere pressure¹⁾ **Y82**

Pressure drop filter²⁾ **Y83**

Inlet relative humidity¹⁾ **Y84**

Actual revolutions per minute (of compressor)²⁾ **Y85**

Rated Rpm of compressor²⁾ **Y86**

Outlet relative humidity²⁾ **Y87**

¹⁾ Information to be provided by customer.

²⁾ Information is available on the data sheet from the compressor supplier.

Operating instructions

Description	Article 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

Further designs

Please add "-Z" to Article No. and specify Order code.

Converter housing material	Order code
Aluminum for increased requirement, color: petrol green	A10

Material certificate	Order code
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	Order code
As standard the flow device has a 3-point calibration certificate.	
Calibration certificate (5 point)	D11

Hardness test	Order code
Hardness test on pressure bearing parts + 3.1 Equotip LD procedure according to NACE MR 0175-01	H30

Cleaning for oil and fat	Order code
Class 1 increased requirement (customer-specified) and 3.1 (EN 10204)	K46
Class 2 and 3.1 (EN 10204)	K48

Certificates	Order code
X-ray test on pressure bearing weldings	M56
Dye penetration test on pressure bearing weldings	M58

Tag name plate	Order code
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

Flow Measurement SITRANS F X

SITRANS FX300

Selection and Ordering data		Article No.	Ord. code
SITRANS FX300 Sandwich Single transmitter and T_{max} = 240 °C (464 °F)		7ME2700	
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	
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	
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	
FM approval Class 1 Div. 2, M20 x 1.5		3	
ATEX, M20 x 1.5		4	
ATEX, ½" NPT		5	
FM approval Class 1 Div. 1, M20 x 1.5		6	
FM approval Class 1 Div. 1, 1/2" NPT		7	
FM approval Class 1 Div. 2, 1/2" NPT		8	
Further approvals and cable glands			
IEC Ex with M20 x 1.5		9	N 0 A
IEC Ex with ½" NPT		9	N 0 B
Transmitter, display and communication			
With display, HART			A

Selection and Ordering data		Article No.	Ord. code
SITRANS FX300 Sandwich Single transmitter and T_{max} = 240 °C (464 °F)		7ME2700	
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
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

Flow Measurement

SITRANS F X

SITRANS FX300

Selection and Ordering data

Selection and Ordering data	Order code
Additional information	
Please add "-Z" to Article No. and specify as minimum Order code Y40, Y41, Y42 and Y45 and plain text.	
Input process data	
Medium: Specify steam, gas, liquid and 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 ¹⁾	Y81
Atmosphere pressure ¹⁾	Y82
Pressure drop filter ²⁾	Y83
Inlet relative humidity ¹⁾	Y84
Actual revolutions per minute (of compressor) ²⁾	Y85
Rated Rpm of compressor ²⁾	Y86
Outlet relative humidity ²⁾	Y87

¹⁾ Information to be provided by customer.

²⁾ Information is available on the data sheet from the compressor supplier.

Operating instructions

Description	Article No.
English	A5E2100423

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

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<http://www.siemens.com/flowdocumentation>

Selection and Ordering data

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Article 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		Article No.	Ord. code
SITRANS FX300 Flanged Dual transmitter and T_{max} = 240 °C (464 °F)		7ME2800-	
Connection size	Sensor size		
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 40 ... 300	D	
PN 63	DN 50 ... 150	E	
PN 100	DN 40 ... 150	F	
RF	ASME B16.5		
150 lb	1½ ... 12"	J	
300 lb	1½ ... 12"	K	
600 lb	1½ ... 6"	L	
Sensor material/Gasket			
Stainless steel AISI 316L (1.4404)/ AISI 316L (1.4435)/FPM		1	
Stainless 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	
FM approval Class 1 Div. 2, M20 x 1.5		3	
ATEX, M20 x 1.5		4	
ATEX, ½" NPT		5	
FM approval Class 1 Div. 1, M20 x 1.5		6	
FM approval Class 1 Div. 1, 1/2" NPT		7	
FM approval Class 1 Div. 2, 1/2" NPT		8	
Further approvals and cable glands			
IEC Ex with M20 x 1.5		9	N 0 A
IEC Ex with ½" NPT		9	N 0 B
Transmitter, display and communication			
With display, HART			A
Pressure sensor and isolation valve			
Without pressure sensor			A
Software			
Uncompensated for gases, wet gases, steam and liquids respectively temperature compensation for saturated steam		1	

Selection and Ordering data	Order code
Additional information Please add "-Z" to Article No. and specify as minimum Order code Y40, Y41, Y42 and Y45 and plain text.	
Input process data	
Medium: Specify steam, gas, liquid and customised	Y40
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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
Operating instructions for SITRANS FX300	
Description	Article No.
English	A5E2100423
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Selection and Ordering data	Order code
Further designs Please add "-Z" to Article No. and specify Order code.	
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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