Selection and Ordering data		Order No.
SITRANS FX300 Flanged **Single transmitter and T_{max} = 240 °C (464 °F)**		**7ME2600 -** ▢▢▢▢▢ - ▢▢▢▢
Connection size	**Sensor size**	
DN 15 (½")	DN 15	**1A**
DN 25 (1")	DN 25	**2B**
DN 40 (1½")	DN 40	**2K**
DN 50 (2")	DN 50	**2R**
DN 80 (3")	DN 80	**3L**
DN 100 (4")	DN 100	**3S**
DN 150 (6")	DN 150	**4M**
DN 200 (8")	DN 200	**4T**
DN 250 (10")	DN 250	**4W**
DN 300 (12")	DN 300	**5E**
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		
Stainless steel 1.4404 (316L)/1.4435 (316L)/FPM		**1**
Stainless steel 1.4404 (316L)/1.4435 (316L)/FFKM		**5**
Transmitter design		
Compact, no cable		**1**
Approval and cable gland		
Non-Ex, M20 x 1.5		**1**
Non-Ex, ½" NPT		**2**
ATEX, M20 x 1.5		**4**
ATEX, ½" NPT		**5**
FM US/C, M20 x 1.5		**6**
FM US/C, ½" NPT		**7**
Transmitter, display and communication		
With display, HART		**A**
Pressure sensor and isolation valve		
Without pressure sensor		**A**
With pressure sensor, range:		
4 bar		**B**
6 bar		**D**
10 bar		**E**
16 bar		**G**
25 bar		**H**
40 bar		**K**
60 bar		**L**
100 bar		**N**
With isolation valve and pressure sensor, range:		
4 bar		**P**
6 bar		**Q**
10 bar		**R**
16 bar		**S**
25 bar		**U**
40 bar		**V**
60 bar		**W**
100 bar		**Y**

Selection and Ordering data	Order No.
SITRANS FX300 Flanged **Single transmitter and T_{max} = 240 °C (464 °F)**	**7ME2600 -** ▢▢▢▢▢ - ▢▢▢▢
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**
Accessories	
Operating instructions for SITRANS FX300	
English	**A5E02100423**

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 ppressure 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 code
Additional data Please add **"-Z"** to Order No. and specify Order code 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 %)	**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 This information is available from compressor supplier.	**Y87**

Selection and Ordering data		Order No.
SITRANS FX300 Sandwich **Single transmitter and T_{max} = 240 °C (464 °F)**		**7ME2700 -** ▪▪▪▪ - ▪▪▪▪
Connection size	**Sensor size**	
DN 15 (½")	DN 15	**1A**
DN 25 (1")	DN 25	**2B**
DN 40 (1½")	DN 40	**2K**
DN 50 (2")	DN 50	**2R**
DN 80 (3")	DN 80	**3L**
DN 100 (4")	DN 100	**3S**
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		
Stainless steel 1.4404 (316L)/1.4435 (316L)/FPM		**1**
Stainless steel 1.4404 (316L)/1.4435 (316L)/FFKM		**5**
Transmitter design		
Compact, no cable		**1**
Approval and cable gland		
Non-Ex, M20 x 1.5		**1**
Non-Ex, ½" NPT		**2**
ATEX, M20 x 1.5		**4**
ATEX, ½" NPT		**5**
FM US/C, M20 x 1.5		**6**
FM US/C, ½" NPT		**7**
Transmitter, display and communication		
With display, HART		**A**
Pressure sensor and isolation valve		
Without pressure sensor		**A**
With pressure sensor, range:		
4 bar		**B**
6 bar		**D**
10 bar		**E**
16 bar		**G**
25 bar		**H**
40 bar		**K**
60 bar		**L**
100 bar		**N**
With isolation valve and pressure sensor, range:		
4 bar		**P**
6 bar		**Q**
10 bar		**R**
16 bar		**S**
25 bar		**U**
40 bar		**V**
60 bar		**W**
100 bar		**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**

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 code
Additional data Please add "**-Z**" to Order No. and specify Order code 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 %)	**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 This information is available from compressor supplier.	**Y87**

Selection and Ordering data		Order No.
SITRANS FX300 Flanged **Dual transmitter and T_{max} = 240 °C (464 °F)**		**7ME2800-** ■■■■-■■■
Connection size	**Sensor size**	
DN 40 (1½")	DN 40	**2K**
DN 50 (2")	DN 50	**2R**
DN 80 (3")	DN 80	**3L**
DN 100 (4")	DN 100	**3S**
DN 150 (6")	DN 150	**4M**
DN 200 (8")	DN 200	**4T**
DN 250 (10")	DN 250	**4W**
DN 300 (12")	DN 300	**5E**
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 1.4404 (316L)/1.4435 (316L)/FPM		**1**
Stainless steel 1.4404 (316L)/1.4435 (316L)/FFKM		**5**
Transmitter design		
Compact, no cable		**1**
Approval and cable gland		
Non-Ex, M20 x 1.5		**1**
Non-Ex, ½" NPT		**2**
ATEX, M20 x 1.5		**4**
ATEX, ½" NPT		**5**
FM US/C, M20 x 1.5		**6**
FM US/C, ½" NPT		**7**
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
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**
Additional data Please add "**-Z**" to Order No. and specify Order code 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 %)	**Y49**