


Selection and Ordering data	Order No.	Order code
<b>SITRANS F C flow sensors MC2</b>	<b>7ME4300-</b>	
<b>Nominal diameter</b>		
Mat. no. 1.4571/316Ti		
DN 50	1 A	
DN 65	1 B	
DN 80	1 C	
DN 100	1 D	
DN 150	1 E	
Hastelloy C4, mat. no 2.4610		
DN 50	2 A	
DN 65	2 B	
DN 80	2 C	
DN 100	2 D	
DN 150	2 E	
<b>Nominal pressure</b>		
PN 40	A	
PN 100	B	
Class 150	C	
Class 300	D	
Class 600	E	
Clamps/screwed-connections	F	
<b>Process connections</b>		
Flange EN 1092-1		
DN 50 (PN 40/PN 100)	2 0	
DN 65 (PN 40/PN 100)	2 1	
DN 80 (PN 40/PN 100)	2 2	
DN 100 (PN 40)	2 3	
DN 150 (PN 40)	2 4	
Flange ASME/ANSI		
2" (class 150/300/600)	3 0	
2 ½" (class 150/300/600)	3 1	
3" (class 150/300/600)	3 2	
4" (class 150/300)	3 3	
6" (class 150/300)	3 4	
Dairy screwed connection to DIN 11851		
DN 50 (PN 25)	4 0	
DN 65 (PN 25)	4 1	
DN 80 (PN 25)	4 2	
DN 100 (PN 25)	4 3	
Dairy clamp connection DIN 32676 Tri-clamp		
50 mm clamp (PN 16)	5 0	
66 mm clamp (PN 10)	5 1	
81 mm clamp (PN 10)	5 2	
100 mm clamp (PN 10)	5 3	
Aseptic nut flange DIN 11864-2 form A for pipes dimensioned by DIN 11866		
DN 40 (1½")	6 0	
DN 50 (2")	6 1	
DN 65 (2½")	6 2	
DN 80 (3")	6 3	
DN 100 (4")	6 4	
<b>Configuration</b>		
Flow and density (5 kg/m <sup>3</sup> )	1	
Flow, Brix/Plato and density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	2	
Density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	5	
Fraction (specified by customer) and density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	9	<b>N 0 Y</b>

Selection and Ordering data	Order No.	Order code
<b>SITRANS F C flow sensors MC2</b>	<b>7ME4300-</b>	
<b>Ex-approval</b>		
Standard, without explosion protection		A
With explosion protection: Ex, ATEX		B
With explosion protection: Ex, FM Class I, Div 1		C
With explosion protection: Ex, FM Class I, Div 2		D
<b>Cable</b>		
No cable (see accessories)		A
<b>Calibration</b>		
Standard		1
Matched pair		2
Extended calibration customer-specified select Y60, Y61, Y62 or Y63 (see additional information)		8
1) Extended density and fraction not possible with DN 150.		
Please also see <a href="http://www.siemens.com/SITRANSForordering">www.siemens.com/SITRANSForordering</a> for practical examples of ordering		
<b>Dairy MLFB example</b>	Order No.	
<b>MC2 sensor</b>	<b>7ME4300-</b>	
Sensor size DN 80. mat. no. 1.4571/316Ti		1 C
Nominal pressure: Clamps		F
DIN 11851, DN 80, PN 25		4 2
		
Configuration/calibration type: flow and density (5 kg/m <sup>3</sup> )		1
Without Ex approval		A
No cable		A
Standard calibration		1
<b>Selection and Ordering data</b>	Order code	
<b>Additional information</b>		
Please add "-Z" to Order No. and specify Order code(s) and plain text.		
Pressure testing certificate PED: 97/23/EC	<b>C11</b>	
Material certificate EN 10204-3.1	<b>C12</b>	
Welding certificate NDT X-ray: EN 25817/B	<b>C13</b>	
Factory certificate according to EN 10204 2.2	<b>C14</b>	
Factory certificate according to EN 10204 2.1	<b>C15</b>	
Material certificate according to NACE	<b>C16</b>	
Tag name plate, stainless steel	<b>Y17</b>	
Customer-specified, matched pair (5 x 2)	<b>Y60</b>	
Customer-specified calibration (5 x 2)	<b>Y61</b>	
Customer-specified, matched pair (10 x 1)	<b>Y62</b>	
Customer-specified calibration (10 x 1)	<b>Y63</b>	
Special version	<b>Y99</b>	
<b>Accessories</b>		
<b>Description</b>	Order No.	
<b>Cables from MC2 sensor to MASS 6000 transmitter</b>		
10 m (32.8 ft)	<b>FDK-083H3001</b>	
25 m (82 ft)	<b>FDK-083H3002</b>	
75 m (246 ft)	<b>FDK-083H3003</b>	
150 m (492 ft)	<b>FDK-083H3004</b>	

## Spare parts

Description	Order No.
<b>2 kB SENSORPROM unit</b> (Sensor Serial No. and Order No. must be specified at ordering)	<b>FDK-083H4410</b>
<b>Connection board/PCB</b>	<b>A5E03004110</b>

### Selection and Ordering data

SITRANS F C flow sensors	Order No.	Order code
<b>MC2 for Hygienic applications only</b>	<b>7ME4310-</b>	

#### Nominal diameter

Mat. no. 1.4435/316L

DN 20	1 A
DN 25	1 B
DN 40	1 C
DN 50	1 D
DN 65	1 E
DN 80	1 F

#### Nominal pressure 40 bar, PN 25

Clamps/screwed-connections

	F
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#### Pressure and Process connections

Dairy screwed connection to DIN 11851

DN 20, PN 25	4 0
DN 25, PN 25	4 1
DN 40, PN 25	4 2
DN 50, PN 25	4 3
DN 65, PN 25	4 4
DN 80, PN 25	4 5

Dairy clamp connectors for DIN 32676

Tri-clamp	
20 mm clamp	4 7
26 mm clamp	4 8
38 mm clamp	5 4
50 mm clamp	5 0
66 mm clamp	5 1
81 mm clamp	5 2

Aseptic connectors DIN 11864-2 Form A for DIN tubes

DN 20	5 8
DN 25	5 7
DN 40	6 0
DN 50	6 1
DN 65	6 2
DN 80	6 3

#### Configuration

Flow and density (5 kg/m <sup>3</sup> )	1
Flow, BRIX/PLATO and density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	2
Density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	5
Flow, fraction (customer-specified application from the net)	9

#### Ex-approval

Standard, without explosion protection	A
With explosion protection: Ex, ATEX	B
With explosion protection: Ex, FM Class I, Div 1	C
With explosion protection: Ex, FM Class I, Div 2	D

#### Cable

No cable (see accessories)	A
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#### Calibration

Standard	1
Matched pair	2

<sup>1)</sup> Extended density and fraction not possible with DN 150.

## Operating instructions for SITRANS F C MC2

Description	Order No.
Operating instructions for SITRANS F C MC2	
• English	<b>A5E02154544</b>
• German	<b>A5E02407329</b>
• Spanish	<b>A5E02384868</b>
• French	<b>A5E02384945</b>

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>

Please also see [www.siemens.com/SITRANSForordering](http://www.siemens.com/SITRANSForordering) for practical examples of ordering

### Selection and Ordering data

#### Additional information

Please add "-Z" to Order No. and specify Order code(s) and plain text.

Pressure testing certificate PED: 97/23/EC	<b>C11</b>
Material certificate EN 10204-3.1	<b>C12</b>
Welding certificate NDT X-ray: EN 25817/B	<b>C13</b>
Factory certificate according to EN 10204 2.2	<b>C14</b>
Factory certificate according to EN 10204 2.1	<b>C15</b>
Tag name plate, stainless steel	<b>Y17</b>
Tag name plate, plastic	<b>Y18</b>
Customer-specific transmitter setup	<b>Y20</b>
Customer-specified, matched pair (5 x 2)	<b>Y60</b>
Customer-specified calibration (5 x 2)	<b>Y61</b>
Customer-specified, matched pair (10 x 1)	<b>Y62</b>
Customer-specified calibration (10 x 1)	<b>Y63</b>
Special version	<b>Y99</b>

#### Accessories

Description	Order No.
<b>Cables from MC2 sensor to MASS 6000 transmitter</b>	
10 m (32.8 ft)	<b>FDK-083H3001</b>
25 m (82 ft)	<b>FDK-083H3002</b>
75 m (246 ft)	<b>FDK-083H3003</b>
150 m (492 ft)	<b>FDK-083H3004</b>

## Spare parts

Description	Order No.
<b>2 kB SENSORPROM unit</b> (Sensor Serial No. and Order No. must be specified by ordering)	<b>FDK-083H4410</b>