

Selection and Ordering data

Order No. Order code

SITRANS F C Flow sensors
SITRANS FC300 DN 4 (1/6") sensor, without heating jacket¹⁾
7ME4400-

Pipe material and temperature

Stainless steel AISI 316L/1.4435

115 °C (239 °F)

180 °C (356 °F)

Hastelloy C22/2.4602

115 °C (239 °F)

180 °C (356 °F)

1 G
1 H
2 G
2 H
Pressure

PN 100

PN 130 (316L)

PN 410 (C22)

D
G
Q
Process connection

Pipe thread

G 1/4" male

1/4" NPT male

1 0
1 1
Configuration

Standard

Density

BRIX/PLATO

Fraction (specification required)

1
2
3
9
N 0 Y
Transmitter compact mounted on sensor

No transmitter, sensor and adapter only

A

MASS 6000, Ex d, stainless steel enclosure, 1 current, 1 freq./pulse and 1 relay output, 24 V AC/DC with EEx de [ia/ib] T3 -T6 Ex-approval

B

MASS 6000, IP67, Polyamide enclosure, cable glands M20, 1 current, 1 freq./pulse and 1 relay output, 24 V AC/DC

C

MASS 6000, IP67, Polyamide enclosure, cable glands M20, 1 current, 1 freq./pulse and 1 relay output, 115/230 V AC 50/60 Hz

D

MASS 6000, IP67, Polyamide enclosure, cable glands 1/2" NPT, 1 current, 1 freq./pulse and 1 relay output, 24 V AC/DC

E

MASS 6000, IP67, Polyamide enclosure, cable glands 1/2" NPT, 1 current, 1 freq./pulse and 1 relay output, 115/230 V AC 50/60 Hz, 1/2" NPT

F
Cable

No cable

5 m (16.4 ft) cable

10 m (32.8 ft) cable

25 m (82 ft) cable

50 m (164 ft) cable

75 m (246 ft) cable

150 m (492 ft) cable

A
B
C
D
E
F
G
Calibration

Standard calibration 3 flow x 2 points

Standard calibration matched pair 3 flow x 2 points

Accredited calibration matched pair 5 flow x 2 points (DANAK)

Extended calibration customer-specified select Y60, Y61, Y62 or Y63 (see additional information)

1
2
3
8
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Additional information

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

Pressure testing certificate PED: 97/23/EC

Material certificate EN 10204-3.1

Welding certificate NDT-Penetrant: ISO 3452

Factory certificate according to EN 10204 2.2

Factory certificate according to EN 10204 2.1

Tag name plate, stainless steel

Tag name plate, plastic

Customer-specific transmitter setup

Customer-specified, matched pair (5 x 2)

Customer-specified calibration (5 x 2)

Customer-specified, matched pair (10 x 1)

Customer-specified calibration (10 x 1)

Cleaned for oil and grease

Special version

C11
C12
C13
C14
C15
Y17
Y18
Y20
Y60
Y61
Y62
Y63
Y80
Y99
Operating instructions for SITRANS F C FC300

Description	Order No.
• English	A5E00698213
• German	A5E00728101
• Spanish	A5E00746629
• French	A5E00746625

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>
Accessories

Description	Order No.
Cable with multiple plug Standard blue cable between MASS 6000 and MASS 2100, 5 x 2 x 0.34 mm ² twisted and screened in pairs. Temperature range -20 °C ... +110 °C (-4 °F ... +230 °F)	5 m (16.4 ft) FDK-083H3015
	10 m (32.8 ft) FDK-083H3016
	25 m (82 ft) FDK-083H3017
	50 m (164 ft) FDK-083H3018
	75 m (246 ft) FDK-083H3054
150 m (492 ft) FDK-083H3055	

Spare parts

Description	Order No.
Multiple plug for cable mounting	FDK-083H5056
2 kB SENSORPROM unit (Sensor Serial No. and Order No. must be specified by ordering)	FDK-083H4410
Bracket	A5E02590439
Demo suitcase including MASS 6000 and HART module	A5E00789737

¹⁾ Not possible to order DN 4 sensor with heating jacket