

SITRANS F C Flow sensors

MASS 2100 DI 1.5 (1/16") sensor, without heating jacket¹⁾

7ME4100-



Diameter

Stainless steel mat. no. 1.4435/316L

DI 1.5, max. 125 °C (257 °F)

DI 1.5, max. 180 °C (356 °F)

Mat. no. 2.4602/Hastelloy C22

DI 1.5, max. 125 °C (257 °F)

DI 1.5, max. 180 °C (356 °F)

1 A

1 B

2 A

2 B

Pressure

PN 100

PN 230 (316L)

PN 365 (C22)

D

L

P

Process connection/flange

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 O Y

Transmitter compact mounted on sensor

No transmitter, sensor and adapter only

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.

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

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

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

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

A

B

C

D

E

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

Description

Order No.

Operating instructions for SITRANS F C MASS 2100 DI 1.5

• English

A5E03089952

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/SITRANSOrdering for practical examples of ordering

Selection and Ordering data

Order code

Additional information

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

Pressure testing certificate PED: 97/23/EC **C11**

Material certificate EN 10204-3.1 **C12**

Welding certificate NDT-Penetrant: ISO 3452 **C13**

Factory certificate according to EN 10204 2.2 **C14**

Factory certificate according to EN 10204 2.1 **C15**

Tag name plate, stainless steel **Y17**

Tag name plate, plastic **Y18**

Customer-specific transmitter setup **Y20**

Customer-specified, matched pair (5 x 2) **Y60**

Customer-specified calibration (5 x 2) **Y61**

Customer-specified, matched pair (10 x 1) **Y62**

Customer-specified calibration (10 x 1) **Y63**

Cleaned for oil and grease **Y80**

Special version **Y99**

Spare parts

Description

Order No.

Multiple plug for cable mounting **FDK-083H5056**

Cable with multiple plug 5 m (16.4 ft) **FDK-083H3015**

Standard blue cable between 10 m (32.8 ft) **FDK-083H3016**

MASS 6000 and MASS 2100, 25 m (82 ft) **FDK-083H3017**

5 x 2 x 0.34 mm² twisted and screened in pairs. 50 m (164 ft) **FDK-083H3018**

Temperature range -20 °C ... +110 °C (-4 °F ... +230 °F) 75 m (246 ft) **FDK-083H3054**

150 m (492 ft) **FDK-083H3055**

2 kB SENSORPROM unit **FDK-083H4410**

(Sensor Serial No. and Order No. must be specified by ordering)

Bracket **A5E02590427**

¹⁾ Not possible to order DI 1.5 sensor with heat jacket.