

# Flow Measurement

## SITRANS F C

### SITRANS F C sensor FC300 DN 4 with SITRANS MASS 6000 and SIFLOW FC070 transmitter

**Note:** Technical specification see page 3/183 to 3/186.

| Selection and Ordering data  | Article No. | Order code |
|--|-------------|------------|
| <b>SITRANS F C Flow sensors</b>  | 7ME4400-    |            |
| <b>SITRANS FC300 DN 4 (1/6") sensor</b>  |             |            |
| Click on the Article No. for the online configuration in the PIA Life Cycle Portal.  |             |            |
| <b>Pipe material and temperature</b>   |             |            |
| Stainless steel AISI 316L/1.4435   | 1 G         |            |
| 115 °C (239 °F)  | 1 H         |            |
| 180 °C (356 °F)  |             |            |
| Hastelloy C22/2.4602   | 2 G         |            |
| 115 °C (239 °F)  | 2 H         |            |
| 180 °C (356 °F)  |             |            |
| <b>Pressure</b>  |             |            |
| PN 100   | D           |            |
| PN 130 (316L/C22)  | G           |            |
| PN 410 (C22)   | Q           |            |
| <b>Process connection</b>  |             |            |
| Pipe thread  |             |            |
| G 1/4" male  | 1 0         |            |
| 1/4" NPT male  | 1 1         |            |
| <b>Configuration</b>   |             |            |
| Standard   | 1           |            |
| Density  | 2           |            |
| Brix/Plato   | 3           |            |
| Fraction (specification required)  | 9           | N 0 Y      |
| <b>Transmitter</b>   |             |            |
| 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 Ex d e ib [ia Ga] IIC T4 Gb 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           |            |
| <b>Cable</b>   |             |            |
| No cable   | A           |            |
| Cable with one M20 connector and one end for terminal connect  |             |            |
| • 5 m (16.4 ft)  | B           |            |
| • 10 m (32.8 ft)   | C           |            |
| • 25 m (82 ft)   | D           |            |
| • 50 m (164 ft)  | E           |            |
| • 75 m (246 ft)  | F           |            |
| • 150 m (492 ft)   | G           |            |
| <b>Calibration</b>   |             |            |
| Standard calibration 3 flow x 2 points   | 1           |            |
| Standard calibration matched pair 3 flow x 2 points  | 2           |            |
| Accredited calibration matched pair 5 flow x 2 points  | 3           |            |
| Extended calibration customer-specified select Y60, Y61, Y62 or Y63 (see additional information)   | 8           |            |

### Selection and Ordering data

Order code

#### Additional information

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

|   |     |
|---|-----|
| Pressure testing certificate PED: 2014/68/EU  | 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 |

#### Operating instructions for SITRANS F C FC300

| Description | Article No. |
|-------------|-------------|
| • English   | A5E00698213 |
| • German    | A5E00728101 |

All literature is available to download for free, in a range of languages, at [www.siemens.com/processinstrumentation/documentation](http://www.siemens.com/processinstrumentation/documentation)

#### Accessories

| Description  | Article No.  |
|--|--------------|
| <b>Cable with M20 connector</b><br>Standard blue cable between MASS 6000 and MASS 2100, 5 x 2 x 0.34 mm <sup>2</sup> twisted and screened in pairs. Cable mounted with one M20 connector and one end for terminal connections. Temperature range: -20 ... +110 °C (-4 ... +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  | Article No.  |
|--|--------------|
| <b>Multiple connector for cable mounting</b>   | FDK:083H5056 |
| <b>2 kB SENSORPROM unit</b><br>(Sensor Serial No. and Article No. must be specified by ordering) | FDK:083H4410 |
| <b>Mounting bracket</b><br>FC300, AISI 304   | A5E02590439  |

