

Selection and Ordering data

Order No.

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Order code

SITRANS FCT030 Transmitter for replacement or installation extension for SITRANS FC430 Digital coriolis flowmeter

Transmitter with HART, I/O and LUI, for compact or remote mounting, weatherproof and flameproof (where specified). Order the sensor separately.

Material and mounting style

- Compact, IP67, aluminum ◆ 2
- Remote, IP67, aluminum, M12 ◆ 5
- Remote, IP67, aluminum, T/Box ◆ 8

Ex approvals

- Non-Ex ◆ A
- ATEX II 2GD ◆ C
- IECEx GDb ◆ F
- FM/CSA/UL Class 1, Div 1 ◆ H
- FM/CSA/UL Class 1, Div 2 ◆ K

Cable glands

- Metric, no glands ◆ A
- Metric, plastic ◆ B
- Metric, brass/Ni plated ◆ E
- Metric, stainless steel ◆ F
- NPT, no glands ◆ G
- NPT, plastic ◆ H
- NPT, brass/Ni plated ◆ L
- NPT, stainless steel ◆ M

Power supply

- 18 ... 300 V DC; 18 ... 85, 185 ... 250 V AC, 50/60 Hz ◆ 0

Enclosure protection rating

- IP67/NEMA 4X ◆ 4

Local User Interface

- Blind ◆ 1
- Graphical, 240x160 pxl ◆ 3

Software functions

- Standard ◆ A

I/O configuration Ch1

- Ca 4 ... 20 mA HART active SIL certified ◆ E
- Cp 4 ... 20 mA HART passive SIL certified ◆ F

- ◆ Short lead time (details in PMD)

7 ME 4 6 0 3 -

- 0

Further designs

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

I/O configuration Ch2, Ch3 and Ch4

None	F00
aSignal, None, None	F40
aSignal, aSignal, None	◆ F41
aSignal, aSignal, aSignal	◆ F42
aSignal, aSignal, Ia	◆ F43
aSignal, aSignal, R	◆ F44
aSignal, Ia, None	◆ F45
aSignal, Ia, Ia	◆ F46
aSignal, Ia, R	◆ F47
aSignal, R, None	◆ F50
aSignal, R, R	◆ F51
pSignal, None, None	◆ F60
pSignal, pSignal, None	◆ F61
pSignal, pSignal, pSignal	◆ F62
pSignal, pSignal, Ip	◆ F63
pSignal, pSignal, R	◆ F64
pSignal, Ip, None	◆ F65
pSignal, Ip, Ip	◆ F66
pSignal, Ip, R	◆ F67
pSignal, R, None	◆ F70
pSignal, R, R	◆ F71
aSignal, aSignal, pSignal	F80
aSignal, aSignal, Ip	F81
aSignal, pSignal, None	F82
aSignal, pSignal, pSignal	F83
aSignal, pSignal, Ia	F84
aSignal, pSignal, Ip	F85
aSignal, pSignal, R	F86
aSignal, Ia, Ip	F87
aSignal, Ip, None	F90
aSignal, Ip, Ip	F91
aSignal, Ip, R	F92
pSignal, pSignal, Ia	F93
pSignal, Ia, None	F94
pSignal, Ia, Ia	F95
pSignal, Ia, Ip	F96
pSignal, Ia, R	F97

Notes on I/O configurations:

a or p suffix: The I/O module is selected at ordering with either active or passive function.

Signal: The output can be selected for Current (0 or 4 to 20 mA), frequency or pulse function in the menu.

I: Discrete status input to the flowmeter. Functions are selected in the menu including 'Freeze output', 'Reset totalizer'.

R: Relay output for discrete status reporting. Function is selected in the menu, including 'Error', 'High flow warning'.

The MLFB structure for FC430 systems must be filled to **this level**, including "-Z" options A..., B..., E... and F...

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Add-on options and accessoriesPlease add **"-Z"** to Order No. and specify Order code(s).**Certificates**

Factory certificate to EN 10204 2.1	◆ C10
Factory certificate to EN 10204 2.2	◆ C11

Cable

None	◆ L50
5 m (16.4 ft), standard with M12 plugs fitted	◆ L51
5 m (16.4 ft), standard	◆ L52
10 m (32.8 ft) standard with M12 plugs fitted	◆ L55
10 m (32.8 ft), standard	◆ L56
25 m (82 ft), standard with M12 plugs fitted	◆ L59
25 m (82 ft), standard	◆ L60
50 m (164 ft), standard with M12 plugs fitted	◆ L63
50 m (164 ft), standard	◆ L64
75 m (246 ft), standard with M12 plugs fitted	◆ L67
75 m (246 ft), standard	◆ L68
150 m (492 ft), standard with M12 plugs fitted	◆ L71
150 m (492 ft), standard	◆ L72

Additional dataPlease add **"-Z"** to Order No. and specify Order code(s) and plain text.**Tag name**

Tag name plate, stainless steel	Y17
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Transmitter setup

Custom transmitter setup	Y20
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◆ Short lead time (details in PMD)

Operating instructions for SITRANS FC430

Description	Order No.
• English	A5E03361511
• German	A5E03651143
• Spanish	A5E03651152
• French	A5E03651188
• Italian	A5E03651190
• Chinese	A5E03922773

This device is shipped with a Quick Start guide and a CD containing further SITRANS F C literature.

All literature is also available for free at:

<http://www.siemens.com/flowdocumentation>