

Flow Measurement

SITRANS F C

Flowmeter SITRANS FC430

Overview



The complete flowmeter system SITRANS FC430 can be ordered for standard, hygienic or NAMUR service. All versions can be ordered for CT service, according to OIML R 117 (Liquids other than water).

All compact variants can be validated and configured for SIL 2 or SIL 3 operation as standard. SIL 3 operation requires two flowmeters in series and monitored by a SIL-rated control system.

The flowmeter is based on the latest developments within digital signal processing technology – engineered for high measuring performance:

- Fast response to rapid changes in flow
- Fast dosing applications
- High immunity against process noise
- High turndown ratio of flowrates
- Suitable for liquid and gas service
- Easy to install, commission and maintain

FC430 is available as standard with 4 to 20 mA analog output with HART 7.2. Additional input/output functions can be freely configured for analog, pulse, frequency, relay or status.

The transmitter comes with a user-configurable graphical display and new SensorFlash technology, a micro SD card for configuration backup, firmware update and data storage.

The SITRANS FC430 flowmeter system consists of a SITRANS FCS400 sensor and a SITRANS FCT030 transmitter.

Benefits

- It is narrow and light, fitting neatly into dense piping arrangements
- Easy maintenance because modules can be exchanged rapidly
- Effective separation of measurement from plant vibration
- Highly secure operation in safety critical applications
- Non-volatile memory of all setup and operation data
- Reliable measurements due to high signal to noise ratio
- Secure, digital transfer of measurement data from the sensor
- SensorFlash transfers setup and operating data, providing simple sensor replacement
- Short overall length; easy drop-in replacement into most existing installations

Technical specifications

Sizes	DN 15 (½") DN 25 (1") DN 50 (2") DN 80 (3")
Accuracy	± 0.10 %
Repeatability	± 0.05 %
Flow range (water @ 1 bar pressure loss)	DN 15: 3 700 kg/h (8 157 lb/h) DN 25: 11 500 kg/h (25 353 lb/h) DN 50: 52 000 kg/h (114 640 lb/h) DN 80: 136 000 kg/h (300 000 lb/h)
Architecture	Compact or remote configuration with selection of twelve languages including Chinese and Russian
Display	Full graphical display, 240 x 160 pixels
Power supply	24 ... 90 V DC, 100 ... 240 V AC
Weight	4.6 ... 50 kg
Material	<ul style="list-style-type: none"> • Sensor <ul style="list-style-type: none"> - Wetted parts: 316L stainless steel - Enclosure: 304 stainless steel • Transmitter: Aluminum with corrosion-resistant coating
Enclosure rating	IP67
Pressure ratings	<ul style="list-style-type: none"> • Measuring tubes: 100 bar (1450 psi) • Sensor enclosure: 20 bar (DN15, DN 25) 17 bar (DN 50, DN 80) • Sensor enclosure burst pressure: >160 bar (all sizes)
Temperature ratings	<ul style="list-style-type: none"> • Process medium: -50 ... +200 °C (-58 ... +392 °F) • Ambient: -40 ... +60 °C (-40 ... +140 °F)
Process connections	<ul style="list-style-type: none"> • Flanges: EN 1092-1 B1, EN 1092-1 D, ANSI/ASME B16.5, JIS B 2220 • Pipe threads: ASME B1.20 (NPT), ISO228-1 G (BSP), VCO Quick-connect • Hygienic threads: DIN 11851, DIN 11864-1, ISO 2853, SMS 1145 • Hygienic clamps: DIN 11864-2, DIN 32676, ISO 2852
Approvals	<ul style="list-style-type: none"> • Hazardous area: ATEX, IECEx, cFMus, NEPSI, CSA, TISS, GOST) • Pressure equipment: PED, CRN • Hygienic: 3A, EHEDG • Custody transfer: SITRANS FC430 OIML R 117 • Operational safety (compact system only): SIL 2 (Sensor) SIL 3 (Transmitter and redundant system)
NAMUR	Complying with NE132, NE41
I/O	Up to 4 channels combining analog, relay or digital outputs and binary input
Communication	HART 7.2
EMC performance	EN 61326-3-2
Mechanical load	18 to 1000 Hz random, 3.17 G rms, in all directions

Flow Measurement

SITRANS F C

Flowmeter SITRANS FC430

3

Selection and Ordering data	Order No.	Ord. code
SITRANS FC430 Digital coriolis flowmeter with SITRANS FCS400 Standard flow sensor with hygienic and flange/pipe thread connections and compact or remote mounting with FCT030 transmitter	7 ME 4 6 1 3 -	
Sensor size, connection size		
DN 15, DN 10 (½", 3/8")	◆ 3 F	
DN 15, DN 15 (½", ½")	◆ 3 G	
DN 15, DN 20 (½", ¾")	◆ 3 H	
DN 15, DN 25 (½", 1")	◆ 3 J	
DN 25, DN 15 (1", ½")	◆ 3 K	
DN 25, DN 25 (1", 1")	◆ 3 L	
DN 25, DN 40 (1", 1½")	◆ 3 N	
DN 50, DN 40 (2", 1½")	◆ 4 B	
DN 50, DN 50 (2", 2")	◆ 4 C	
DN 80, DN 65 (3", 2½")	◆ 4 J	
DN 80, DN 80 (3", 3")	◆ 4 K	
DN 80, DN 100 (3", 4")	◆ 4 L	
Process connection		
EN1092-1 B1, PN 16	◆ A 0	
EN1092-1 B1, PN 40	◆ A 1	
EN1092-1 B1, PN 63	◆ A 2	
EN1092-1 B1, PN 100	◆ A 3	
EN1092-1 D nUT, PN 40	◆ A 5	
EN1092-1 D nUT, PN 63	◆ A 6	
EN1092-1 D nUT, PN 100	◆ A 7	
ANSI B16.5-2009, class 150	◆ D 1	
ANSI B16.5-2009, class 300	◆ D 2	
ANSI B16.5-2009, class 600	◆ D 3	
ISO228-1 G pipe thread	◆ E 1	
ASME B1.20.1 NPT pipe thread	◆ E 3	
DIN 11851 hygienic screwed	◆ F 1	
DIN32676 hygienic Tri-Clamp	◆ G 1	
DIN11864-1 aseptic screwed	◆ H 1	
DIN11864-2 aseptic flanged	◆ H 2	
ISO 2852 hygienic clamped	◆ J 1	
ISO 2853 hygienic screwed	◆ J 5	
SMS 1145 hygienic screwed	◆ K 1	
12-VCO-4 quick connect	◆ K 5	
JIS B2200:2004/10K	◆ L 2	
JIS B2200:2004/20K	◆ L 4	
JIS B2200:2004/40K	◆ L 6	
Wetted parts material		
AISI 316L/W1.4435/W1.4404 (100 barg max.)	◆ 1	
Calibration/Accuracy class		
0,1 % flow, 5 kg/m³ density	◆ 1	
0,1 % flow, 1 kg/m³ density	◆ 4	
Standard fraction calibration		
• API number	9	N 0 A
• Balling	9	N 0 B
• °Baumé light	9	N 0 C
• °Baumé heavy	9	N 0 D
• °Brix	9	N 0 E
• °Oeschlé	9	N 0 F
• °Plato	9	N 0 G
• Specific Gravity	9	N 0 H
• °Twaddell	9	N 0 J
• %HFCS42	9	N 0 K
• %HFCS55	9	N 0 L
• %HFCS90	9	N 0 M

Selection and Ordering data	Order No.	Ord. code
SITRANS FC430 Digital coriolis flowmeter with SITRANS FCS400 Standard flow sensor with hygienic and flange/pipe thread connections and compact or remote mounting with FCT030 transmitter	7 ME 4 6 1 3 -	
Transmitter/DSL material & mounting style		
Compact, IP67, aluminum	◆	D
Remote, IP67, aluminum, M12	◆	G
Remote, IP67, aluminum, T/Box	◆	K
Ex approval		
Non-Ex	◆	A
ATEX II 2GD	◆	C
IECEx GDb	◆	F
FM/CSA/UL Class 1, Div 1	◆	H
Local User Interface		
Blind	◆	1
Graphical, 240 x 160 pxl	◆	3
◆ Short lead time (details in PMD)		

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Order No. and specify Order code(s).	
Cable glands	
Metric, no glands	◆ A 01
Metric, plastic	◆ A 02
Metric, brass/Ni plated	◆ A 05
Metric, stainless steel	◆ A 06
NPT, no glands	◆ A 11
NPT, Plastic	◆ A 12
NPT, brass/Ni plated	◆ A 15
NPT, stainless steel	◆ A 16
Software functions and CT approvals	
Standard	◆ B 11
CT standard	◆ B 31
I/O configuration Ch1	
Ca 4 ... 20 mA HART active SIL certified	◆ E 04
Cp 4 ... 20 mA HART passive SIL certified	◆ E 05
Only compact versions can be used in SIL applications.	

Selection and Ordering data	Order code
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..	

Selection and Ordering data	Order code
Add-on options and accessories	
Please add "-Z" to Order No. and specify Order code(s).	
Certificates	
Pressure test certificate CRN	◆ C01
Pressure test certificate PED	◆ C02
Material certificate EN 10204-3.1	◆ C05
Welding inspection report	C07
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 data	
Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Tag name	
Tag name plate, stainless steel	Y17
Transmitter setup	
Custom transmitter setup	Y20
Customer specific calibration	
Customer specific calibration (5 flow x 2 points)	Y61
Customer specific calibration (10 flow x 1 point)	Y62
◆ 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	

Flow Measurement

SITRANS F C

Flowmeter SITRANS FC430

3

Selection and Ordering data	Order No.	Ord. code
SITRANS FC430 Digital coriolis flowmeter ◆	7 ME 4 6 2 3 -	
with SITRANS FCS400 Flow sensor		
Hygienic version with Ra < 0,8 µm, 3A approved, and compact or remote mounting with FCT030 transmitter		
Sensor size, connection size		
DN 15, DN 10 (½", 3/8")	3 F	
DN 15, DN 15 (½", ½")	◆ 3 G	
DN 15, DN 20 (½", ¾")	3 H	
DN 15, DN 25 (½", 1")	3 J	
DN 25, DN 25 (1", 1")	◆ 3 L	
DN 25, DN 25 (1", 1¼")	3 M	
DN 25, DN 40 (1", 1½")	3 N	
DN 50, DN 40 (2", 1½")	4 B	
DN 50, DN 50 (2", 2")	◆ 4 C	
DN 80, DN 65 (3", 2½")	4 J	
DN 80, DN 80 (3", 3")	◆ 4 K	
Process connection		
DIN 11851 0,8 µm screwed	◆ F 1	
DIN 32676 0,8 µm Tri-Clamp	◆ G 1	
DIN 11864-1 0,8 µm screwed	◆ H 1	
DIN 11864-2 0,8 µm flanged	H 2	
ISO 2852 0,8 µm clamped	◆ J 1	
ISO 2853 0,8 µm screwed	◆ J 5	
Wetted parts material		
AISI 316L/W1.4435 (40 bar max.)	◆ 1	
Calibration/Accuracy class		
0,1 % flow, 5 kg/m³ density	◆ 1	
0,1 % flow, 1 kg/m³ density	◆ 4	
Standard fraction calibration		
• API number	9	N 0 A
• Balling	9	N 0 B
• °Baumé light	9	N 0 C
• °Baumé heavy	9	N 0 D
• °Brix	9	N 0 E
• °Oeschlé	9	N 0 F
• °Plato	9	N 0 G
• Specific Gravity	9	N 0 H
• °Twaddell	9	N 0 J
• %HFCS42	9	N 0 K
• %HFCS55	9	N 0 L
• %HFCS90	9	N 0 M
Transmitter/DSL material and mounting style		
Compact, IP67, aluminum	◆ D	D
Remote, IP67, aluminum, M12	◆ G	G
Remote, IP67, aluminum, T/Box	◆ K	K
Ex approval		
Non-Ex	◆ A	A
ATEX II 2GD	◆ C	C
IECEX GDb	◆ F	F
FM/CSA/UL Class 1, Div 1	◆ H	H
Local User Interface		
Blind	◆ 1	1
Graphical, 240 x 160 pxl	◆ 3	3

◆ Short lead time (details in PMD)

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Order No. and specify Order code(s).	
Cable glands	
Metric, no glands	◆ A01
Metric, plastic	◆ A02
Metric, brass/Ni plated	◆ A05
Metric, stainless steel	◆ A06
NPT, no glands	◆ A11
NPT, plastic	◆ A12
NPT, brass/Ni plated	◆ A15
NPT, stainless steel	◆ A16
Software functions and CT approvals	
Standard	◆ B11
CT standard	◆ B31
I/O configuration Ch1	
Ca 4 ... 20 mA HART active SIL certified	◆ E04
Cp 4 ... 20 mA HART passive SIL certified	◆ E05

Selection and Ordering data	Order code
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..	

Selection and Ordering data	Order code
Add-on options and accessories	
Please add "-Z" to Order No. and specify Order code(s).	
Certificates	
Pressure test certificate CRN	◆ C01
Pressure test certificate PED	◆ C02
Material certificate EN 10204-3.1	◆ C05
Welding inspection report	C07
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 data	
Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Tag name	
Tag name plate, stainless steel	Y17
Transmitter setup	
Custom transmitter setup	Y20
Customer specific calibration	
Customer specific calibration (5 flow x 2 points)	Y61
Customer specific calibration (10 flow x 1 point)	Y62
◆ 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

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>

Flow Measurement

SITRANS F C

Flowmeter SITRANS FC430

3

Selection and Ordering data	Order No.	Ord. code
SITRANS FC430 Digital coriolis flowmeter ◆	7 ME 4 7 1 3 -	
with SITRANS FCS400 NAMUR compliant flow sensor with flange/pipe thread connections and compact or remote mounting with FCT030 transmitter		
Sensor size, Connection size		
DN 15, DN 15 (½", ½")	◆ 3 G	
DN 25, DN 25 (1", 1")	◆ 3 L	
DN 50, DN 50 (2", 2")	◆ 4 C	
DN 80, DN 80 (3", 3")	◆ 4 K	
Process connection		
EN1092-1 B1, PN 40	◆ A 1	
EN1092-1 B1, PN 100	◆ A 3	
ANSI B16.5-2009, class 150	◆ D 1	
ANSI B16.5-2009, class 600	◆ D 3	
ISO228-1 G pipe thread	◆ E 1	
ASME B1.20.1 NPT pipe thread	◆ E 3	
Wetted parts material		
AISI 316L/W1.4435/W1.4404 (100 barg max.)	◆ 1	
Calibration/Accuracy class		
0,1 % flow, 5 kg/m ³ density	◆	1
0,1 % flow, 1 kg/m ³ density	◆	4
Standard fraction calibration		
• API number		9 N 0 A
• Balling		9 N 0 B
• °Baumé light		9 N 0 C
• °Baumé heavy		9 N 0 D
• °Brix		9 N 0 E
• °Oeschlé		9 N 0 F
• °Plato		9 N 0 G
• Specific Gravity		9 N 0 H
• °Twaddell		9 N 0 J
• %HFCS42		9 N 0 K
• %HFCS55		9 N 0 L
• %HFCS90		9 N 0 M
Transmitter/DSL material & mounting style		
Compact, IP67, aluminum	◆	D
Remote, IP67, aluminum, M12	◆	G
Remote, IP67, aluminum, T/Box	◆	K
Ex approval		
Non-Ex	◆	A
ATEX II 2GD	◆	C
IECEX GDb	◆	F
FM/CSA/UL Class 1, Div 1	◆	H
Local User Interface		
Blind	◆	1
Graphical, 240 x 160 pxl	◆	3

◆ Short lead time (details in PMD)

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Order No. and specify Order code(s).	
Cable glands	
Metric, no glands	◆ A01
Metric, plastic	◆ A02
Metric, brass/Ni plated	◆ A05
Metric, stainless steel	◆ A06
NPT, no glands	◆ A11
NPT, plastic	◆ A12
NPT, brass/Ni plated	◆ A15
NPT, stainless steel	◆ A16
Software functions and CT approvals	
Standard	◆ B11
CT standard	B31
I/O configuration Ch1	
Ca 4 ... 20 mA HART active, SIL certified	◆ E04
Cp 4 ... 20 mA HART passive, SIL certified	◆ E05

Selection and Ordering data	Order code
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...	

Selection and Ordering data	Order code
Add-on options and accessories	
Please add " -Z " to Order No. and specify Order code(s).	
Certificates	
Pressure test certificate CRN	◆ C01
Pressure test certificate PED	◆ C02
Material certificate EN 10204-3.1	◆ C05
Welding inspection report	C07
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 data	
Please add " -Z " to Order No. and specify Order code(s) and plain text.	
Tag name	
Tag name plate, stainless steel	Y17
Transmitter setup	
Custom transmitter setup	Y20
Customer specific calibration	
Customer specific calibration (5 flow x 2 points)	Y61
Customer specific calibration (10 flow x 1 point)	Y62
◆ 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

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>