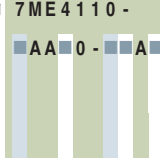


Flow Measurement

SITRANS F C

Transmitter MASS 6000 IP67 compact/remote

Selection and Ordering data	Article No.
SITRANS F C MASS 6000 transmitter Transmitter for wall mounting with wall mounting bracket, fibre glass reinforced polyamide (1 current output, 1 frq./pulse output, 1 relay output and connection board/PCB) ↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ME4110- 
Version	
Remote IP67/NEMA 6 enclosure	2
Supply voltage	
115/230 V AC, 50 ... 60 Hz 24 V AC/DC	1 2
Display/Keypad	
with display	1
Serial communication	
No communication	A
HART	B
PROFIBUS PA Profile 3	F
PROFIBUS DP Profile 3	G
Modbus RTU RS 485	E
DeviceNet	H
FOUNDATION Fieldbus H1	J
Cable glands	
M20	1
½" NPT	2



Operating instructions for SITRANS F C MASS 6000 IP67

Description	Article No.
• English	A5E03071936

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

All literature is available to download for free, in a range of languages, at www.siemens.com/processinstrumentation/documentation

Accessories

Description	Article No.
Cable glands, screwed entries type in polyamide (100 °C (212 °F)) black, 2 pcs. • M20 • ½" NPT	 A5E00822490 A5E00822501
Sun lid for MASS 6000 transmitter (Frame and lid)	 A5E02328485

Add-on module

Description	Article No.
HART ¹⁾	◆ FDK:085U0226
PROFIBUS PA Profile 3 ¹⁾	FDK:085U0236
PROFIBUS DP Profile 3	FDK:085U0237
Modbus RTU RS 485	FDK:085U0234
FOUNDATION Fieldbus H1 ¹⁾	A5E02054250
DeviceNet	FDK:085U0229



¹⁾ Modules are rated Ex i when used with MASS 6000 Ex d.

◆ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ◆. For details see page 9/5 in the appendix.



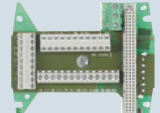
Operating instructions for SITRANS F add-on modules


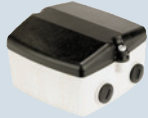


Description	Article No.
HART	
• English	A5E03089708
PROFIBUS PA/DP	
• English	A5E00726137
• German	A5E01026429
Modbus	
• English	A5E00753974
• German	A5E03089262
FOUNDATION Fieldbus	
• English	A5E02318728
• German	A5E02488856
DeviceNet	
• English	A5E03089720

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

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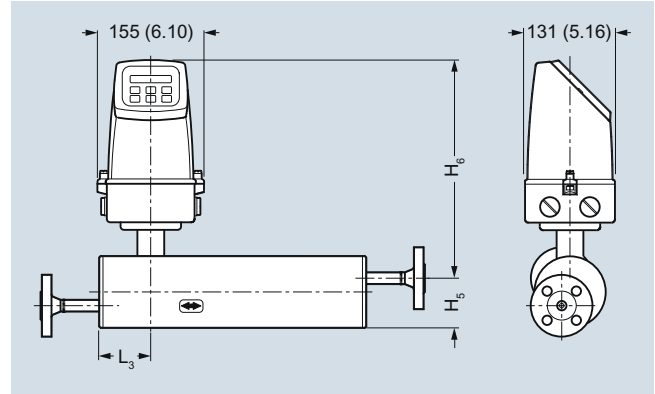
Spare parts for compact or remote IP67 version

Description	Article No.
MASS 6000 transmitter IP67/NEMA 6 Fibre glass reinforced polyamide and without connection board 1 current output 1 frq./pulse output 1 relay output • 115/230 V AC, 50/60 Hz • 24 V AC/DC	 7ME4110-1AA10-1AA0 7ME4110-1AA20-1AA0
Wall mounting unit for IP67/NEMA 6 version with wall bracket, without connection board but with • 4 x M20 cable glands • 4 x ½" NPT cable glands	 FDK:085U1018 A5E01164211
Connection board/PCB Supply voltage: 115/230 V/24 V AC/DC	 FDK:083H4260

Description	Article No.	
Terminal box kit with <ul style="list-style-type: none"> • M20 cable glands • ½" NPT cable glands Change from remote to safe area compact mounting of MASS 6000 IP67/NEMA 6 with MASS 2100. The kit consists of a terminal box in polyamide incl. connection board, cable and connector between PCB and sensor pedestal, PCB, seal and screws (4 pcs.) for mounting on sensor. Not approved for hazardous locations	A5E00832338 A5E00832342	
Terminal box, in polyamide, inclusive lid <ul style="list-style-type: none"> • M20 cable glands • ½" NPT cable glands Not approved for hazardous locations	FDK:085U1050 FDK:085U1052	
Terminal box – lid in polyamide	FDK:085U1003	
Display and keypad <ul style="list-style-type: none"> • Siemens Front 	FDK:085U1039	

Dimensional drawings

Compact

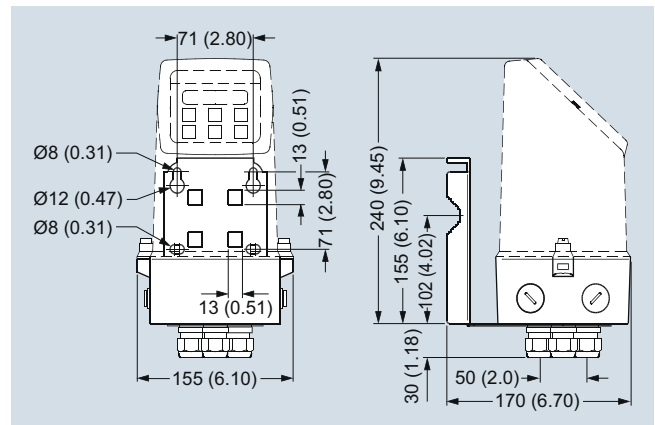


Dimensions in mm (inch)

MASS 2100

Sensor size [Di (inch)]	L ₃ [mm (inch)]	H ₅ [mm (inch)]	H ₆ [mm (inch)]	H ₅ + H ₆ [mm (inch)]
3 (1/8)	75 (2.95)	82 (3.23)	306 (12.04)	388 (15.28)
6 (¼)	62 (2.44)	72 (2.83)	316 (12.44)	388 (15.28)
15 (½)	75 (2.95)	87 (3.43)	326 (12.83)	413 (16.26)

Transmitter wall mounted



Dimensions in mm (inch)

Flow Measurement

SITRANS F C

Transmitter MASS 6000 IP67 compact/remote

Schematics

Electrical connection

Grounding

PE must be connected due to safety class 1 power supply.

Mechanical counters

When mounting a mechanical counter to terminals 57 and 58 (active output), a 1000 μ F min. 35 V electrolytic capacitor must be connected to the terminals 56 and 58. Capacitor + is connected to terminal 56 and capacitor - to terminal 58.

Output cables

If long cables are used in a noisy environment, it is recommended to use shielded cables.

