

**Selection and Ordering data**

Order No.

**Sensor SITRANS F M MAG 5100 W**

7 ME 6 5 2 0 -

 Hastelloy electrodes, carbon steel flanges,  
EU water markets and low flow applications



**Diameter**

DN 15 (1/2")	◆	1 V
DN 25 (1")	◆	2 D
DN 40 (1 1/2")	◆	2 R
DN 50 (2")	◆	2 Y
DN 65 (2 1/2")	◆	3 F
DN 80 (3")	◆	3 M
DN 100 (4")	◆	3 T
DN 125 (5")	◆	4 B
DN 150 (6")	◆	4 H
DN 200 (8")	◆	4 P
DN 250 (10")	◆	4 V
DN 300 (12")	◆	5 D
DN 350 (14")	◆	5 K
DN 400 (16")	◆	5 R
DN 450 (18")	◆	5 Y
DN 500 (20")	◆	6 F
DN 600 (24")	◆	6 P
DN 700 (28")	◆	6 Y
DN 750 (30")		7 D
DN 800 (32")		7 H
DN 900 (36")		7 M
DN 1000 (40")		7 R
(42")		7 U
(44")		7 V
DN 1200 (48")		8 B

**Flange norm and pressure rating**

to EN 1092-1		
PN 10 (DN 200 ... 1200/8" ... 48")	◆	B
PN 16 (DN 50 ... 1200/2" ... 48")	◆	C
PN 16, non PED (DN 700 ... 1200/28" ... 48")		D
PN 40 (DN 15 ... 40/1/2" ... 1 1/2")	◆	F
to ANSI B16.5		
class 150 (1/2" ... 24")	◆	J
to AWWA C-207		
Class D (28" ... 48")		L
to AS 4087		
PN 16 (DN 50 ... 1200/2" ... 48")		N

**Liner material**

EPDM	◆	2
NBR Hard Rubber	◆	3

**Transmitter**

Sensor for remote transmitter (Order transmitter separately)	◆	A
MAG 6000 I, Aluminum, 18 ... 90 V DC, 115 ... 230 V AC	◆	C
MAG 6000, Polyamid, 11 ... 30 V DC/11 ... 24V AC	◆	H
MAG 6000, Polyamid, 115 ... 230 V AC	◆	J
MAG 5000, Polyamid, 11 ... 30 V DC/11 ... 24V AC	◆	K
MAG 5000, Polyamid, 115 ... 230 V AC	◆	L
MAG 6000 CT, Polyamid, 115 ... 230 V AC	◆	M

**Selection and Ordering data**

Order No.

**Sensor SITRANS F M MAG 5100 W**

7 ME 6 5 2 0 -

 Hastelloy electrodes, carbon steel flanges,  
EU water markets and low flow applications



**Communication**

None	◆	A
HART	◆	B
PROFIBUS PA Profile 3 (only MAG 6000/MAG 6000 I)	◆	F
PROFIBUS DP Profile 3 (only MAG 6000/MAG 6000 I)	◆	G
Modbus RTU/RS 485 (only MAG 6000/MAG 6000 I)	◆	E
FOUNDATION Fieldbus H1 (only MAG 6000/MAG 6000 I)	◆	J

**Cable glands/terminal box**

Metric/Polyamid terminal box or 6000 I compact	◆	1
1/2" NPT/Polyamid terminal box or 6000 I compact	◆	2

◆ Short lead time (details in PMD)

**Selection and Ordering data**

Order code

**Additional information**

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

Factory certificate according to EN 10204-2.2

**C14**

Factory certificate according to EN 10204-2.1

**C15**

Approval/Verification<sup>2)</sup>

(MI-001 : DN 50-300 compact, EPDM liner, EN 1092-1 PN10 and PN16 flanges with MAG 6000 CT)<sup>3)</sup>

• Without verification according to OIML R 49

**P10**

• MI-001 Q3/Q1 = 25

**P11**

• MI-001 Q3/Q1 = 63

**P12**

• MI-001 Q3/Q1 = 80

**P13**

• MI-001 Q3/Q1 = 160

**P16**

• MI-001 Q3/Q1 = 200

**P17**

• MI-001 Q3/Q1 = 250

**P18**

Tag name plate, stainless steel fixed with SS wire (add plain text)

**Y17**

Tag name plate, plastic (self-adhesive)

**Y18**

Customer-specific converter setup

**Y20**

Sensor cables wired (specify cable order no.)

**Y40**

Sensor for remote transmitter's junction box potted to IP68 with wired cable (specify cable order no.)

**Y41**

Other postproduction requirements (add desired text)

**Y99****Additional Calibrations**

Matched pair - (Standard production calibration where sensor and transmitter are calibrated together)

**On request<sup>1)</sup>**

Accredited Siemens Flow Instruments matched pair Calibration acc. to ISO/IEC 17025:2005

**On request<sup>1)</sup>**

Customer-specified calibration up to 10 points

**On request<sup>1)</sup>**

Customer-witnessed calibration  
Any of above calibration

**On request<sup>1)</sup>**

<sup>1)</sup> Ordering On request as dedicated information from the customer on the individual sensors is required. Please fill in the calibration form found on [pi.khe.siemens.de/index.aspx?Nr=17460](http://pi.khe.siemens.de/index.aspx?Nr=17460) and send together with the order. (Size dependent restriction on maximum flow rates may apply)

<sup>2)</sup> For more details and references of the ranges please see the tables on page 4/73.

<sup>3)</sup> For remote version submit Product Variation Request.

**Operating instructions for SITRANS F M MAG 5100 W**

Description	Order No.
• English	<b>A5E03063678</b>
• German	<b>A5E03376527</b>
• Spanish	<b>A5E00376529</b>
• French	<b>A5E03376521</b>
• Chinese	<b>A5E03376501</b>

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>

**Accessories**

Description

Order No.

Potting kit for terminal box of SITRANS F M sensors for IP68/NEMA 6P (Not for Ex)

◆ **FDK-085U0220**

◆ Short lead time (details in PMD)

MAG 5000/6000 transmitters and sensors are packed in separate boxes, the final assembly takes place during installation at the customer's place. MAG 6000 I transmitters and sensors are delivered compact mounted from factory.

Communication module will be pre-mounted in the transmitter.

Please use online Product selector to get latest updates.

Product selector link:

[www.pia-selector.automation.siemens.com](http://www.pia-selector.automation.siemens.com)

Please also see [www.siemens.com/SITRANSFordering](http://www.siemens.com/SITRANSFordering) for practical examples of ordering

**Selection and Ordering data**

Order No.

**Sensor SITRANS F M MAG 5100 W**

7 ME 6 5 8 0 -

 Hastelloy electrodes, carbon steel flanges,  
Non EU water markets

**Diameter**

DN 25 (1")	◆	2 D
DN 40 (1½")	◆	2 R
DN 50 (2")	◆	2 Y
DN 65 (2½")	◆	3 F
DN 80 (3")	◆	3 M
DN 100 (4")	◆	3 T
DN 125 (5")	◆	4 B
DN 150 (6")	◆	4 H
DN 200 (8")	◆	4 P
DN 250 (10")	◆	4 V
DN 300 (12")	◆	5 D
DN 350 (14")	◆	5 K
DN 400 (16")	◆	5 R
DN 450 (18")	◆	5 Y
DN 500 (20")		6 F
DN 600 (24")		6 P
DN 700 (28")		6 Y
DN 750 (30")		7 D
DN 800 (32")		7 H
DN 900 (36")		7 M
DN 1000 (40")		7 R
(42")		7 U
(44")		7 V
DN 1200 (48")		8 B
DN 1400 (54")		8 F
DN 1500 (60")		8 K
DN 1600 (66")		8 P
DN 1800 (72")		8 T
DN 2000 (78")		8 Y

**Flange norm and pressure rating**

to EN 1092-1

PN 6 (DN 1400 ... 2000 (54" ... 78"))		A
PN 10 (DN 200 ... 2000 (8" ... 78"))	◆	B
PN 16 (DN 65 ... 600 (2½" ... 24"))	◆	C
PN 16, non-PED (DN 700 ... 2000 (28" ... 78"))		D
PN 40 (DN 25 ... 50 (1" ... 2"))	◆	F

to ANSI B16.5

class 150 (1" ... 24")		J
------------------------	--	---

to AWWA C-207

Class D (28" ... 78")		L
-----------------------	--	---

to AS 4087

PN 16 (DN 50 ... 1200 (2" ... 48"))		N
-------------------------------------	--	---

to JIS

B 2220:2004 K10 (1" ... 24")		R
------------------------------	--	---

**Flange material**

Carbon steel flanges ASTM A 105		1
---------------------------------	--	---

**Liner material**

Ebonite Hard Rubber		4
---------------------	--	---

**Electrode material**

Hastelloy		2
-----------	--	---

**Selection and Ordering data**

Order No.

**Sensor SITRANS F M MAG 5100 W**

7 ME 6 5 8 0 -

 Hastelloy electrodes, carbon steel flanges,  
Non EU water markets

**Transmitter with display**

Sensor for remote transmitter (Order transmitter separately)	◆	A
MAG 6000, Polyamid, 11 ... 30 V DC/11 ... 24V AC	◆	H
MAG 6000, Polyamid, 115 ... 230 V AC	◆	J
MAG 5000, Polyamid, 11 ... 30 V DC/11 ... 24V AC	◆	K
MAG 5000, Polyamid, 115 ... 230 V AC	◆	L

**Communication**

No communication, add-on possible	◆	A
HART	◆	B
PROFIBUS PA Profile 3 (only MAG 6000)	◆	F
PROFIBUS DP Profile 3 (only MAG 6000)	◆	G
Modbus RTU/RS 485 (only MAG 6000)	◆	E
FOUNDATION Fieldbus H1 (only MAG 6000)	◆	J

**Cable glands/terminal box**

Metric	◆	1
½" NPT	◆	2

**Selection and Ordering data**

Order code

**Additional information**

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

Factory certificate according to EN 10204-2.2	<b>C14</b>
Factory certificate according to EN 10204-2.1	<b>C15</b>
Tag name plate, stainless steel fixed with SS wire	<b>Y17</b>
Tag name plate, plastic (self-adhesive)	<b>Y18</b>
Customer-specific converter setup	<b>Y20</b>
Sensor cables wired (specify cable order no.)	<b>Y40</b>
Sensor for remote transmitter's junction box potted to IP68 with wired cable (specify cable order no.)	<b>Y41</b>
Other postproduction requirements (add desired text)	<b>Y99</b>

**Operating instructions for SITRANS F M MAG 5100 W**

Description	Order No.
• German	<b>A5E03376527</b>
• English	<b>A5E03063678</b>
• French	<b>A5E03376521</b>
• Spanish	<b>A5E03376529</b>
• Chinese	<b>A5E03376501</b>

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>
**Accessories**

Description	Order No.
Potting kit for terminal box of SITRANS F M sensors for IP68/NEMA 6P (Not for Ex)	◆ <b>FDK-085U0220</b>



◆ Short lead time (details in PMD)

MAG 5000/6000 transmitters and sensors are packed in separate boxes, the final assembly takes place during installation at the customer's place.

Communication module will be pre-mounted in the transmitter. Please use online Product selector to get latest updates.

 Product selector link: [www.pia-selector.automation.siemens.com](http://www.pia-selector.automation.siemens.com)

 Please also see [www.siemens.com/SITRANSFordering](http://www.siemens.com/SITRANSFordering)

for practical examples of ordering