

Selection and Ordering data

Order No.

SITRANS F M
MAG 8000 CT water meter with EPDM liner and Hastelloy electrodes
7 ME 6 8 2 0 -
Diameter

 DN 50 (2")
 DN 65 (2½")
 DN 80 (3")
 DN 100 (4")
 DN 125 (5")
 DN 150 (6")
 DN 200 (8")
 DN 250 (10")
 DN 300 (12")
 DN 350 (14")
 DN 400 (16")
 DN 450 (18")¹⁾
 DN 500 (20")¹⁾
 DN 600 (24")¹⁾
2 Y
3 F
3 M
3 T
4 B
4 H
4 P
4 V
5 D
5 K
5 R
5 Y
6 F
6 P
Flange norm and pressure rating
EN 1092-1

PN 16

ANSI B16.5

Class 150

AS4087

PN 16

C
J
N
Approval/Verification³⁾

 Without verification according to OIML R 49⁴⁾

MI-001 Q3/Q1 = 25

MI-001 Q3/Q1 = 63

MI-001 Q3/Q1 = 80

MI-001 Q3/Q1 = 160

MI-001 Q3/Q1 = 200

MI-001 Q3/Q1 = 250

Without verification calibrated to OIML R 49-Class II (Q3/Q1 = 100)

Without verification calibrated to OIML R 49-Class II (Q3/Q1 = 250)

0
1
2
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7
8
Region version

 Europe (m³, m³/h, 50 Hz)

 USA (m³, m³/h, 60 Hz)

1
2
Transmitter type and installation

Basic version integral on sensor

Basic version remote, 5 m (16.4 ft) mounted cable on sensor with IP68/NEMA 6P plugs

Do - 10 m (32.8 ft)

Do - 20 m (65.6 ft)

Do - 30 m (98.4 ft)

Advanced version integral on sensor

Advanced version remote, 5 m mounted cable on sensor with IP68/NEMA 6P plugs

Do - 10 m (32.8 ft)

Do - 20 m (65.6 ft)

Do - 30 m (98.4 ft)

A
B
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P
Selection and Ordering data

Order No.

SITRANS F M
MAG 8000 CT water meter with EPDM liner and Hastelloy electrodes
7 ME 6 8 2 0 -
Communication interface

No additional "add-on" communication module installed

Serial RS 485 with Modbus RTU (Terminated as end device)

Serial RS 232 with Modbus RTU

Encoder interface for ITRON 200WP radio with "Sensus" protocol"

 GSM/GPRS module without analog inputs cable
 GSM/GPRS module with analog inputs cable

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Power supply

Internal battery (no battery included)

 Internal battery pack installed²⁾

External battery with 1.5 m (4.9 ft) power cable with IP68/NEMA 6P plugs, no battery included

12/24 V AC/DC power supply with battery backup and 3 m (9.8 ft) power cable for external connection (no battery included)

115 ... 230 V AC power supply with battery backup and 3 m (9.8 ft) power cable for external connection. (no battery included)

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¹⁾ Under preparation.

²⁾ Lithium batteries are subject to special transportation regulations according to United Nations "Regulation of Dangerous Goods, UN 3090 and UN 3091". Special transport documentation is required to observe these regulations. This may influence both transport time and costs.

³⁾ For more details and references of the ranges please see the tables on pages 4/123 and 4/124.

⁴⁾ Standard calibration

Operating instructions for SITRANS F M MAG 8000

Description	Order No.
• English	A5E03071515
• German	A5E00740986
• Spanish	A5E00741031
• French	A5E00741021

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>
Operating instructions for MAG 8000 GSM/GPRS communication module

Description	Order No.
• English	A5E03644134

Selection and Ordering data

Order code

Additional information

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

Totalizer

Volume calculation (default totalizer 1= forward and totalizer 2 = reverse)

Totalizer 1 = RV, reverse flow	L20
Totalizer 1 = NET, net flow	L22
Totalizer 2 = FW, forward flow	L30
Totalizer 2 = NET, net flow	L31

Pulse set up

(default pulse A= forward and pulse B = Alarm)

A function = RV, reverse flow	L62
A function = FWnet, forward net flow	L63
A function = RVnet, reverse net flow	L64
A function = Off	L65
Volume per pulse A = x 0.001	L71
Volume per pulse A = x 0.01	L72
Volume per pulse A = x 0.1	L73
Volume per pulse A = x 1	L74
B function = FW, forward flow	L80
B function = RV, reverse flow	L81
B function = FWnet, forward net flow	L82
B function = RVnet, reverse net flow	L83
B function = Alarm	L84
B function = Call up	L85
Volume per pulse B = x 0.001	L91
Volume per pulse B = x 0.01	L92
Volume per pulse B = x 0.1	L93
Volume per pulse B = x 1	L94

Data logger set up (default month logging)

DataloggerInterval = Daily	M31
DataloggerInterval = Weekly	M32

Factory mounted cables

5 m (16.4 ft) pulse cable A+B	M81
5 m (16.4 ft) communication cable RS 232/RS 485 terminated as end device	M82
20 m (65.6 ft) pulse cable A+B	M84
20 m (65.6 ft) communication cable RS 232/RS 485 terminated as end device	M85
Cello 2 channel, input cable 3 m (9.84 ft) with Brad Harrison micro-change 3 way connector	M87
Cello 2 channel, input cable 5 m (16.4 ft) with MIL-C-26482 spec. connectors	M89
5 ft. Encoder interface cable with connector for ITRON 200WP radio	M91
25 ft. Encoder interface cable with connector for ITRON 200WP radio	M90
SOFREL data logger cable 2 m with connector for SOFREL GSM module	M92