Selection and Ordering data	Order No.
SITRANS F M	
MAG 8000 CT water meter with EPDM liner and Hastelloy electrodes	**7 M E 6 8 2 0 -** ■■■ **0** ■ **-** ■■■■
Diameter	
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")[1]	**5 Y**
DN 500 (20")[1]	**6 F**
DN 600 (24")[1]	**6 P**
Flange norm and pressure rating	
EN 1092-1	
PN 16	**C**
ANSI B16.5	
Class 150	**J**
AS4087	
PN 16	**N**
Approval/Verification[3]	
Without verification according to OIML R 49[4]	**0**
MI-001 Q3/Q1 = 25	**1**
MI-001 Q3/Q1 = 63	**2**
MI-001 Q3/Q1 = 80	**3**
MI-001 Q3/Q1 = 160	**4**
MI-001 Q3/Q1 = 200	**5**
MI-001 Q3/Q1 = 250	**6**
Without verification calibrated to OIML R 49-Class II (Q3/Q1 = 100)	**7**
Without verification calibrated to OIML R 49-Class II (Q3/Q1 = 250)	**8**
Region version	
Europe (m^3, m^3/h, 50 Hz)	**1**
USA (m^3, m^3/h, 60 Hz)	**2**
Transmitter type and installation	
Basic version integral on sensor	**A**
Basic version remote, 5 m (16.4 ft) mounted cable on sensor with IP68/NEMA 6P plugs	**B**
Do - 10 m (32.8 ft)	**C**
Do - 20 m (65.6 ft)	**D**
Do - 30 m (98.4 ft)	**E**
Advanced version integral on sensor	**K**
Advanced version remote, 5 m mounted cable on sensor with IP68/NEMA 6P plugs	**L**
Do - 10 m (32.8 ft)	**M**
Do - 20 m (65.6 ft)	**N**
Do - 30 m (98.4 ft)	**P**

Selection and Ordering data	Order No.
SITRANS F M	
MAG 8000 CT water meter with EPDM liner and Hastelloy electrodes	**7 M E 6 8 2 0 -** ■■■ **0** ■ **-** ■■■■
Communication interface	
No additional "add-on" communication module installed	**A**
Serial RS 485 with Modbus RTU (Terminated as end device)	**B**
Serial RS 232 with Modbus RTU	**C**
Encoder interface for ITRON 200WP radio with "Sensus" protocol"	**D**
Power supply	
Internal battery (no battery included)	**0**
Internal battery pack installed[2]	**1**
Power cable (1.5 m (4.9 ft)) with IP68/NEMA 6P plugs for external battery (no battery included)	**2**
12/24 V AC/DC power supply with battery backup and 3 m (9.8 ft) power cable for external connection (no battery included)	**3**
115 ... 230 V AC power supply with battery backup and 3 m (9.8 ft) power cable for external connection. (no battery included)	**4**

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 3/126 to 3/128.

4) Standard calibration or according to FM Fire Service requirements if P20, P21 or P22 is selected as Z option.

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**
FM Fire Service Approval (with ANSI B16.5 Class 150 flanges)	
DN 50, DN 80 and DN 100 (2", 3" and 4")	**P20**
DN 150 and DN 200 (6" and 8")	**P21**
DN 250 and DN 300 (10" and 12")	**P22**