| Selection and Ordering data | Order No. |
|---|---|
| **SITRANS F M MAG 8000 water meter** | **7ME6810-** |
| **Diameter** | |
| DN 25 (1“) | 2D |
| DN 40 (1½“) | 2R |
| DN 50 (2“) | 2Y |
| DN 65 (2½“) | 3F |
| DN 80 (3“) | 3M |
| DN 100 (4“) | 3T |
| DN 125 (5“) | 4B |
| DN 150 (6“) | 4H |
| DN 200 (8“) | 4P |
| DN 250 (10“) | 4V |
| DN 300 (12“) | 5D |
| DN 350 (14“) | 5K |
| DN 400 (16“) | 5R |
| DN 450 (18“) | 5Y |
| DN 500 (20“) | 6F |
| DN 600 (24“) | 6P |
| DN 700 (28“)[1] | 6Y |
| DN 750 (30“)[1] | 7D |
| DN 800 (32“)[1] | 7H |
| DN 900 (36“)[1] | 7M |
| DN 1000 (40“)[1] | 7R |
| DN 1050 (42“)[1] | 7T |
| DN 1100 (44“)[1] | 7V |
| DN 1200 (48“)[1] | 8B |
| **Flange norm and pressure rating** | |
| 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 25 ... 40 (1" ... 1½“)) | F |
| ANSI B16.5 | |
| Class 150 | J |
| AWWA C-207 | |
| Class D (28" ... 48") | L |
| AS4087 | |
| PN 16 (DN 50 ... 1200 (2" ... 48")) | N |
| **Sensor version** | |
| EPDM liner and Hastelloy electrodes | 3 |
| **Calibration** | |
| Standard ± 0.4 % of rate ± 2 mm/s | 1 |
| Extended ± 0.2 % of rate ± 2 mm/s DN 25... 300 (1" ... 12") | 2 |
| **Region version** | |
| Europe ($m^3$, $m^3/h$, 50 Hz) | 1 |
| USA (Gallon, GPM, 60 Hz) | 2 |
| Australia (Ml, Ml/d, 50 Hz) | 3 |
| **Transmitter type and installation** | |
| Basic version integral on sensor | A |
| Basic version remote, cable mounted on sensor with IP68/NEMA 6P plugs: | |
| • 5 m (16.4 ft) | B |
| • 10 m (32.8 ft) | C |
| • 20 m (65.6 ft) | D |
| • 30 m (98.4 ft) | E |
| Advanced version integral on sensor | K |
| Advanced version remote, cable mounted on sensor with IP68/NEMA 6P plugs: | |
| • 5 m (16.4 ft) | L |
| • 10 m (32.8 ft) | M |
| • 20 m (65.6 ft) | N |
| • 30 m (98.4 ft) | P |

| Selection and Ordering data | Order No. |
|---|---|
| **SITRANS F M MAG 8000 water meter** | **7ME6810-** |
| **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 |
| GSM/GPRS module without analog inputs cable | S |
| GSM/GPRS module with analog inputs cable | T |
| **Power supply** | |
| Internal battery (no battery included) | 0 |
| Internal battery pack installed[2] | 1 |
| External battery with 1.5 m (4.9 ft) power cable with IP68/NEMA 6P plugs, 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] The Diameter DN 700 (28") to DN 1200 (48") is only available as remote transmitter type installation.

[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.

### *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. | |
| Flow unit | |
| l/s | **L00** |
| MGD | **L01** |
| CFS | **L02** |
| l/min | **L03** |
| $m^3$/min | **L04** |
| GPM | **L05** |
| CFM | **L06** |
| l/h | **L07** |
| $m^3$/h | **L08** |
| GPH | **L09** |
| CFH | **L10** |
| GPS | **L11** |
| Ml/d | **L12** |
| $m^3$/d | **L13** |
| GPD | **L14** |
| Totalizer<br>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** |
| Volume unit | |
| $m^3$ | **L40** |
| Ml | **L41** |
| G | **L42** |
| AF | **L43** |
| l x 100 | **L44** |
| $m^3$ x 100 | **L45** |
| G x 100 | **L46** |
| CF x 100 | **L47** |
| MG | **L48** |
| G x 1000 | **L49** |
| CF x 1000 | **L50** |
| Al | **L51** |
| kl | **L52** |
| Pulse set up<br>(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 0.0001 | **L70** |
| 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, verse 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 0.0001 | **L90** |
| 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** |

| Selection and Ordering data | Order code |
|---|---|
| ***Additional information*** | |
| Please add **"-Z"** to Order No. and specify Order code(s) and plain text. | |
| 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** |
| SOFREL data logger cable 2 m with connector for SOFREL GSM module | **M92** |