

Selection and Ordering data		Order No.	
SITRANS F M MAG 8000 water meter		7 ME 6 8 1 0 -	
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") ¹⁾	6 Y		
DN 750 (30") ¹⁾	7 D		
DN 800 (32") ¹⁾	7 H		
DN 900 (36") ¹⁾	7 M		
DN 1000 (40") ¹⁾	7 R		
DN 1050 (42") ¹⁾	7 U		
DN 1100 (44") ¹⁾	7 V		
DN 1200 (48") ¹⁾	8 B		
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 (m³, m³/h, 50 Hz)	1		
USA (Gallon, GPM, 60 Hz)	2		
Australia (MI, MI/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		

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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 communication module with remote antenna; 5 m (16.4 ft) cable		S	
GSM/GPRS communication module with analog inputs and remote antenna; 5 m (16.4 ft) cable		T	
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⁾ The Diameter DN 700 (28") to DN 1200 (48") is only available as <u>remote</u> 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	Selection and Ordering data		Order code
Additional information			Additional information		
Please add “-Z” to Order No. and specify Order code(s) and plain text.			Please add “-Z” to Order No. and specify Order code(s) and plain text.		
<u>Flow unit</u>			<u>Data logger set up</u> (default month logging)		
I/s		L00	DataloggerInterval = Daily		M31
MGD		L01	DataloggerInterval = Weekly		M32
CFS		L02	<u>Factory mounted cables</u>		
I/min		L03	5 m (16.4 ft) pulse cable A+B		M81
m ³ /min		L04	5 m (16.4 ft) communication cable RS 232/RS 485 terminated as end device		M82
GPM		L05	20 m (65.6 ft) pulse cable A+B		M84
CFM		L06	20 m (65.6 ft) communication cable RS 232/RS 485 terminated as end device		M85
I/h		L07	Cello 2 channel, input cable 3 m (9.84 ft) with Brad Harrison micro-change 3 way connector		M87
m ³ /h		L08	Cello 2 channel, input cable 5 m (16.4 ft) with MIL-C-26482 spec. connectors		M89
GPH		L09	SOFREL data logger cable 2 m with connector for SOFREL GSM module		M92
CFH		L10	FM Fire Service Approval		
GPS		L11	(with ANSI B16.5 Class 150 flanges)		
MI/d		L12	DN 50, DN 80 and DN 100 (2", 3" and 4")		P20
m ³ /d		L13	DN 150 and DN 200 (6" and 8")		P21
GPD		L14	DN 250 and DN 300 (10" and 12")		P22
<u>Totalizer</u>					
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			
<u>Volume unit</u>					
m ³		L40			
MI		L41			
G		L42			
AF		L43			
I 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			
AI		L51			
kl		L52			
<u>Pulse set up</u>					
(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			