Medium conditions	
• Process temperature	-20 ... +150 °C (-4 ... 302 °F) depending on her liner
Minimum conductivity of medium	
• With SITRANS F M 911/E sensors	≥ 1 µS/cm (0.1 µS/cm depending on medium)
Design	
Weight of transmitter	4.4 kg (9.7 lb)
Remote version	Transmitter must be connected to sensor using shielded cable
Maximum cable length	100 m (328 ft)
Housing	Die-cast aluminum, painted
Displays and keypad	
General display	LCD, backlid, two lines with 16 characters each
Multi-display for	Flow, totalizer, flow velocity
Keypad	4 keys for entering parameters
Power supply	
corresponding to rating plate	
• AC supply	100 ... 250 V AC ± 15 %, 47 ... 63 Hz
• Power consumption	Approx. 120 ... 630 VA, depending on sensor
Line fuse	100 ... 230 V AC: T1.6A
Magnet current fuse	F5A/250 V

Sensor cables between sensor and transmitter

The signal voltage proportional to the flow and present at the electrodes of the EMF is only a few µV to mV. Superimposed on this are electrochemical interferences resulting from the contact between the electrodes and liquid, and which can be up to several Volt. Also frequently superimposed are line frequency interferences, interferences resulting from vibrations on the pipelines or signal cables, as well as strong magnetic fields in the vicinity. Sufficient shielding must therefore be provided, as well as fixed routing of the signal cables (electrode and magnet current cable) in the case of remote versions. This also applies to devices with integral preamplifier (smartPLUG). The cable length between the sensor and transmitter must not exceed 100 m (328 ft).

Attention must also be paid to the cable routing. Signal cables must be routed free of vibration, and protected against strong magnetic and stray fields. In case of doubt, the sensor cables must be routed in earthed steel conduit.

Selection and Ordering data	Order No.
SITRANS F M electromagnetic transmitter TRANSMAG 2 for alternating field, remote version, 110 ... 230 V AC	**7ME5034-■AA■1-■AA0**
Output/communication	
4 ... 20 mA with HART protocol	**0**
PROFIBUS PA connection	**1**
4 ... 20 mA with HART protocol, digital input	**2**
Operator display and keypad	
Without	**0**
With	**1**
Cable glands	
M20/M16 x 1.5	**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.	
Strengthened mounting bracket for wall and pipeline installation	**A02**
Measuring range, specify in plain text: Y01: 0 to ... m^3/h	**Y01**
Pulse significance, specify in plain text: Y02: 0 to ... pulses/l	**Y02**
Setting of digital outputs, specify in plain text: Y03: Setting of digital outputs: ...	**Y03**
Measuring-point number (max. 8 characters), specify in plain text: Y15:	**Y15**
Measuring-point description (max. 16 characters), specify in plain text: Y16:	**Y16**
Stainless steel tag plate	**Y17**
Other post-production requirements (add plain text)	**Y99**

Operating instructions for SITRANS F M TRANSMAG 2

Description	Order No.
• English	**A5E00102775**
• German	**A5E00192774**
• Spanish	**A5E00135276**
• French	**A5E00135275**

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

Selection and Ordering data	Order No.
Flowsensor SITRANS F M 911/E	**7 M E 5 6 1 0 -** ■ ■ ■ ■ ■ **- ■ A A ■**
Nominal diameter	
DN 15 (½")	**1 V**
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**
Flange norm and pressure rating	
EN 1092-1, PN 10 (DN 200 ... 1000 (8" ... 40"))	**B**
EN 1092-1, PN 16 (DN 65 ... 1000 (2½" ... 40"))	**C**
EN 1092-1, PN 25 (DN 200 ... 600 (8" ... 24"))	**E**
EN 1092-1, PN 40 (DN 15 ... 600 (½" ... 24"))	**F**
ANSI B16.5, Class 150 (½" ... 24"), max 19.6 bar (285 psi) at 20 °C (68 °F)	**J**
ANSI B16.5, Class 300 (½" ... 24"), max 51.1 bar (741 psi) at 20 °C (68 °F)	**K**
AWWA C-207 Class D (28" ... 40")	**L**
JIS 10 K (½" ... 24")	**R**
Flange material	
Mid steel flanges 1.0460/1.0570	**1**
Stainless steel flanges, AISI 316Ti / 1.4571	**3**
Liner material	
Soft rubber	**1**
PTFE (without protection washers)	**3**
Hardrubber	**4**
Linatex	**5**
Novolak (sealing material FFKM)	**6**
Electrode material	
AISI 316Ti/1.4571	**1**
Hastelloy C276/2.4819	**2**
Platinum head with shaft AISI 316Ti/1.4571	**3**
Titanium	**4**
Tantalum	**5**
Cable glands/terminal box	
Metric: Polyamide terminal box	**1**
½" NPT: Polyamide terminal box	**2**

Selection and Ordering data	Order Code
Additional information	
Please add **"-Z"** to Order No. and specify Order code(s) and plain text.	
Two earthing (grounding) electrodes made of stainless steel AISI 316Ti/1.4571	**A02**
Two earthing (grounding) electrodes made of Hastelloy C4/2.4610	**A04**
Two earthing (grounding) electrodes made of Platinum head	**A05**
Two earthing (grounding) electrodes made of Titanum	**A06**
Two earthing (grounding) electrodes made of Tantalum	**A07**
Factory certificate to EN 10204-2.2	**C14**
Acceptance test B to DIN 50049, section 3.1 and EN 10204	**C16**
Silicone-free materials	**Y04**
Tag name plate, stainless steel, add plain text	**Y17**
Other postproduction requirements, add plain text	**Y99**

Selection and Ordering data	Order No.	Order code
SITRANS F M TRANSMAG 2 and sensor 911/E	**7 M E 5 9 3 0 -**	
Cable	**5 ■ A 0 0 - 0 A A 0**	**■ ■ ■**
Cable kit for sensor 911/E with alternating field, Magnet current cable 3 x 1.0 mm^2 (3 x 0.0016 $inch^2$), electrode/reference cable 7 x 0.5 mm^2 (7 x 0.0008 $inch^2$) with shield PVC		
• Length: 5 m (16.4 ft)	**B**	
• Length: 10 m (32.8 ft)	**C**	
• Length: 20 m (65.6 ft)	**D**	
• Length: 30 m (98.4 ft)	**E**	
• Specify other length: in plain text	**Z**	**J 1 Y**

Selection and Ordering data	Order No.	Order code
SITRANS F M electromagnetic flowmeter		
Protection rings for flow sensor 911E (per pair)	**7ME5912-**	
Liner		
Hard rubber/soft rubber		**1**
Novolak		**7**
PTFE		**0**
Nominal diameter		
for PTFE, mat. no. 1.4571/316 Ti		
DN 15 (½")		**A A**
DN 20 (¾")		**B A**
DN 25 (1")		**C A**
DN 32 (1¼")		**D A**
DN 40 (1½")		**E A**
DN 50 (2")		**F A**
DN 65 (2½")		**G A**
DN 80 (3")		**H A**
DN 100 (4")		**J A**
DN 125 (5")		**K A**
DN 150 (6")		**L A**
DN 200 (8")		**M A**
DN 250 (10")		**N A**
DN 300 (12")		**P A**
Other nominal diameters: specify in plain text		**Z A J 1 Y**
for Hard/Soft rubber, Novolak, mat. no. 1.471/316 Ti		
DN 15 (½")		**A B**
DN 20 (¾")		**B B**
DN 25 (1")		**C B**
DN 32 (1¼")		**D B**
DN 40 (1½")		**E B**
DN 50 (2")		**F B**
DN 65 (2½")		**G B**
DN 80 (3")		**H B**
DN 100 (4")		**J B**
DN 125 (5")		**K B**
DN 150 (6")		**L B**
DN 200 (8")		**M B**
DN 250 (10")		**N B**
DN 300 (12")		**P B**
Other nominal diameters: specify in plain text		**Z B J 1 Y**
Flange design		
Flange to DIN		**1**
Flange to ANSI		**2**
Flange to JIS		**3**

Selection and Ordering data	Order No.	Order code
SITRANS F M electromagnetic flowmeter		
Earthing rings for flow sensor 911E (per unit)	**7ME5902-**	
Liner		
Hard rubber/soft rubber		**1**
Novolak		**7**
PTFE		**0**
Nominal diameter		
Mat. no. 1.4571/316 Ti		
DN 15 (½")		**A A**
DN 20 (¾")		**B A**
DN 25 (1")		**C A**
DN 32 (1¼")		**D A**
DN 40 (1½")		**E A**
DN 50 (2")		**F A**
DN 65 (2½")		**G A**
DN 80 (3")		**H A**
DN 100 (4")		**J A**
DN 125 (5")		**K A**
DN 150 (6")		**L A**
DN 200 (8")		**M A**
DN 250 (10")		**N A**
DN 300 (12")		**P A**
DN 350 (14")		**Q A**
DN 400 (16")		**R A**
DN 500 (20")		**S A**
DN 600 (24")		**T A**
DN 700 (28")		**U A**
DN 800 (32")		**V A**
DN 900 (36")		**W A**
DN 1000 (40")		**X A**
Other nominal diam.: specify in plain text		**Z A J 1 Y**
Material Hastelloy C4/2.4610		
DN 15 (½")		**A B**
DN 20 (¾")		**B B**
DN 25 (1")		**C B**
DN 32 (1¼")		**D B**
DN 40 (1½")		**E B**
DN 50 (2")		**F B**
DN 65 (2½")		**G B**
DN 80 (3")		**H B**
DN 100 (4")		**J B**
DN 125 (5")		**K B**
DN 150 (6")		**L B**
DN 200 (8")		**M B**
DN 250 (10")		**N B**
DN 300 (12")		**P B**
DN 350 (14")		**Q B**
DN 400 (16")		**R B**
DN 500 (20")		**S B**
DN 600 (24")		**T B**
Other nominal diam.: specify in plain text		**Z B J 1 Y**
Flange design		
Flange to DIN		**1**
Flange to ANSI		**2**
Flange to JIS		**3**