

Magflux® 7100 Sensor



The liner of MagFlux® 7100 is PTFE which makes it extremely low degree of friction and at the same time very resistant to chemicals and general abrasion.

Applications

- MagFlux 7100 with Teflon® lining is commonly used for water applications with chemicals

Specifications MagFlux® 7100 Sensor

MagFlux® 7100 Sensor Specifications	
Mounting Flanges ⑥	EN-1092-1 / ANSI B 16.5 / AWWA C207-01 / AS 4087 / AS2129
Built-in length	Standard length according to ISO 13359
Accuracy ④	Better than $\pm 0,25\%$
Ratio	1:100
Measuring Frequency	1,25-2,5 Hz
Materials	
Housing ⑥	Carbon steel
Flanges ⑥	Carbon steel
Measuring Pipe	Steel 1.4301 / AISI 304
Lining	PTFE (Teflon®)/PFA
Electrodes ③⑤	Steel 1,4571 / AISI 316 TI
Coating	3 layers Polyurethane paint, Thickness $\geq 310\ \mu\text{m}$
Temperature range	
Medium temperature	-20...150 °C / -4...300 °F
Ambient temperature: Compact Converter Remote Converter	-10.....60 °C / 15..140 °F -20...100 °C / -4...212 °F
Enclosure	IP 67, NEMA 4, Standard IP 68, NEMA 6P (10mWc, using the Gel potting kit 579035)
③Options: Hastelloy C4, platinum, and titanium. See, Flow sensor Ordering information.	
④Of measured value.	
⑤Incl. built in ground electrode.	
⑥Also available in Steel 304/316 SS. See, Flow sensor Ordering information.	

Sizes, Pressure and
Order numbers
7100 Sensor
EN 1092-1

Magflux® 7100 Sensor - Sizes, Pressure and Order Number					
EN 1092-1 Flanges					
Size \ PN	PN6	PN10	PN16	PN25	PN40
DN 15			207107-016-00		207107-040-00
DN 20			207110-016-00		207110-040-00
DN 25			207113-016-00		207113-040-00
DN 32			207116-016-00		207116-040-00
DN 40			207119-016-00		207119-040-00
DN 50			207122-016-00		207122-040-00
DN 65			207125-016-00		207125-040-00
DN 80			207128-016-00		207128-040-00
DN 100			207131-016-00		207131-040-00
DN 125			207134-016-00		207134-040-00
DN 150			207137-016-00	207137-025-00	207137-040-00
DN 200		207140-010-00	207140-016-00	207140-025-00	207140-040-00
DN 250		207143-010-00	207143-016-00	207143-025-00	207143-040-00
DN 300		207146-010-00	207146-016-00	207146-025-00	207146-040-00
DN 350		207149-010-00	207149-016-00	207149-025-00	207149-040-00
DN 400		207152-010-00	207152-016-00	207152-025-00	207152-040-00
DN 450		207155-010-00	207155-016-00		
DN 500		207158-010-00	207158-016-00		
DN 600		207161-010-00	207161-016-00		
DN 700	207164-006-00	207164-010-00	207164-016-00		
DN 800	207167-006-00	207167-010-00	207167-016-00		
DN 900	207170-006-00	207170-010-00			
DN 1000	207172-006-00	207172-010-00			

Sizes, Pressure and
Order numbers
7100 Sensor
ANSI & AWWA

Magflux® 7100 Sensor Sizes, Pressure and Order Number		
ANSI B 16.5 Flange		
Size \ PSI	150 [PSI]	300 [PSI]
½"	297107-150-00	297107-300-00
¾"	297110-150-00	297110-300-00
1"	297113-150-00	297113-300-00
1¼"	297116-150-00	297116-300-00
1½"	297119-150-00	297119-300-00
2"	297122-150-00	297122-300-00
2½"	297125-150-00	297125-300-00
3"	297128-150-00	297128-300-00
4"	297131-150-00	297131-300-00
5"	297134-150-00	297134-300-00
6"	297137-150-00	297137-300-00
8"	297140-150-00	297140-300-00

Magflux® 7100 Sensor Sizes, Pressure and Order Number		
ANSI B 16.5 Flange		
Size \ PSI	150 [PSI]	300 [PSI]
10"	297143-150-00	297143-300-00
12"	297146-150-00	297146-300-00
14"	297149-150-00	297149-300-00
16"	297152-150-00	297152-300-00
18"	297155-150-00	297155-300-00
20"	297158-150-00	297158-300-00
24"	297161-150-00	297161-300-00
AWWA C207-01	Class D	Class E
28"	297164-150-00	297164-300-00
32"	297167-150-00	297167-300-00
36"	297170-150-00	297170-300-00
40"	297173-150-00	