

A c q u a M A G

Electronic flow meter
Induction flow meter

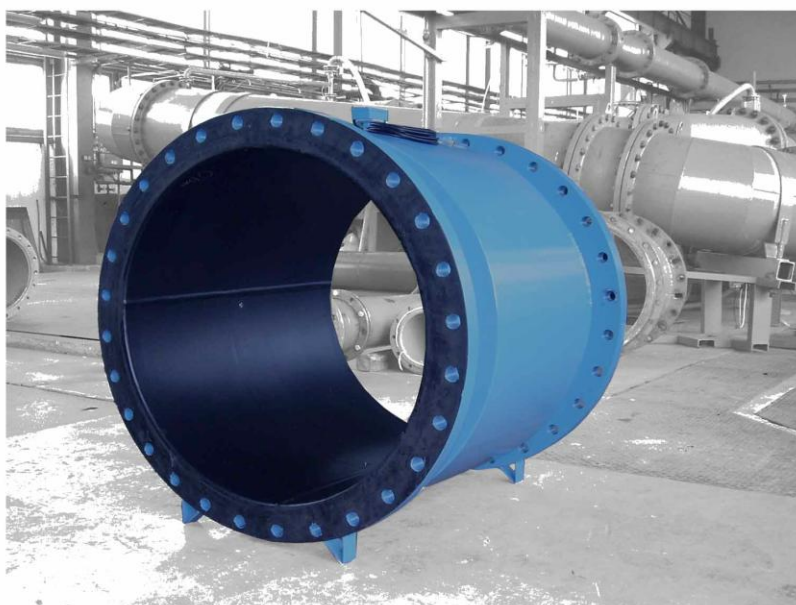
Certified in accordance with Directive 2004/22/EC (MID)

Wide range of measuring (R250)

High degree of shielding (IP67)

Internal datalogger with GSM

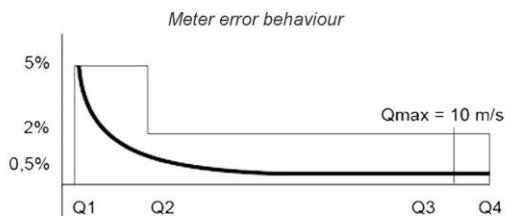
Approved for drinking water



Induction flow meter AcquaMAG is designed as a bidirectional electronic water meter for measuring drinking water as well as waste water in water management technologies. The instrument is characterized by the high accuracy and stability of the flow measuring in a wide range defined according to OIML R 49-1.

DN	Q3 / Q1	Q1	Q2	Q3	Q4	Qmax
mm	R	m³/h				l/s
15	250	0,0252	0,04	6,3	7,875	1,8
20	250	0,04	0,064	10	12,5	3,2
25	250	0,064	0,1	16	20	5
32	250	0,1	0,16	25	31,25	8
40	250	0,16	0,256	40	50	12,5
50	250	0,252	0,4	63	78,75	20
65	250	0,4	0,64	100	125	32
80	250	0,64	1,024	160	200	50
100	250	1	1,6	250	312,5	80
125	250	1,6	2,56	400	500	120
150	250	2,52	4,032	630	787,5	180
200	250	4	6,4	1000	1250	320
250	160	10	16	1600	2000	500
300	160	15,625	25	2500	3125	700
350	160	15,625	25	2500	3125	960
400	160	25	40	4000	5000	1250
500	160	39,375	63	6300	7875	2000
600	160	62,5	100	10000	12500	2800
700	160	62,5	100	10000	12500	3850
800	100	160	256	16000	20000	5000
900	100	160	256	16000	20000	6350
1000	100	250	400	25000	31250	7850

Note: Qmax – flow rate at the flow velocity of 10 m/s.



The AcquaMAG flow meter can be completed by the internal module (A) having the function of the datalogger and, simultaneously, serving to the wireless transmission of saved data in the form of SMS messages with the help of the GSM network.

The datalogger archives continuously the results of the measurement and the operating information in the intervals settable by the user.

Processing of the transmitted data is provided by a simple application for PC. The information from the datalogger can be displayed in the simplest form on the display of the cellular phone.



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Reg. No. 001/P-035

ES CERTIFIKÁT TYPU

EC – Type-examination certificate

Číslo dokumentu: **SK 11-MI001-SMU023** Revision 0
Document number:

V súlade s: **nariadením vlády Slovenskej republiky č. 294/2005 Z. z. o meradiách, ktorým sa preberá smernica Európskeho parlamentu a rady 2004/22/ES z 31. marca 2004 o meradiách**
In accordance with: **Government Ordinance of the Slovak Republic No. 294/2005 Coll., on measuring instruments, which implemented the Directive 2004/22/EC of the European Parliament and Council of the March 31, 2004 on measuring instruments**

Žiadateľ/Výrobca: **Horizontal s.r.o.**
Issued to (Manufacturer): **Pod nemocnicou 9, 625 00 Brno Česká republika**

Druh meradla: **Vodomer (MI-001) / Elektromagnetický prietokomer**
Type of instrument: **Water meter (MI-001) / Inductive flow meter**

Označenie typu: **F401 ACQUAMAG**
Type designation:

Základné požiadavky: **príloha č. 1 a príloha MI-001 k nariadeniu vlády SR č. 294/2005 Z. z.**
Essential requirements: **Annex No. 1 and Annex MI-001 to Government Ordinance of SR No. 294/2005 Coll.**

Platnosť do: **1. december 2021**
Valid until: **December 1, 2021**

Notifikovaná osoba: **1781**
Notified body:

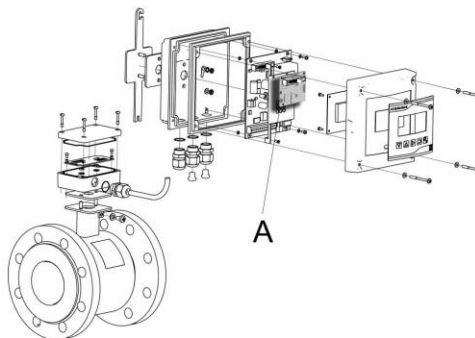
Dátum vydania: **2. december 2011**
Date of issue: **December 2, 2011**

Základné charakteristiky, popis meradla a podmienky schválenia sú uvedené v prílohe, ktorá je súčasťou tohto certifikátu. Certifikát vrátane prílohy má spolu 10 strán.
Essential characteristics, instrument description and approval conditions are set out in the appendix hereto, which forms the part of the certificate. The certificate including the appendix contains 10 pages.


Dr. Anna Nemečková
 osoba oprávnená konať v mene notifikovanej osoby č. 1781
 Notified body No. 1781

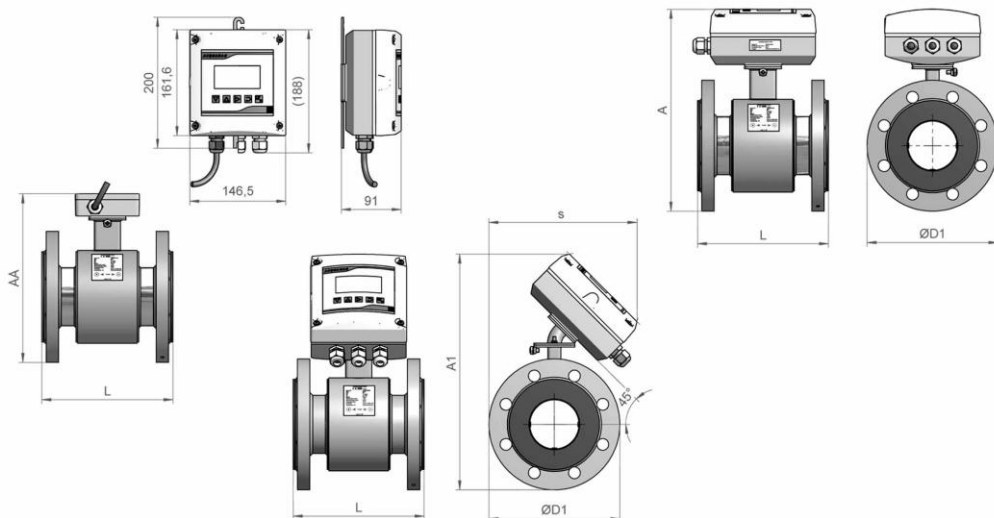
Poznámka: ES certifikát typu je bez pečiatky a podpisu neplatný. Tento ES certifikát typu môže byť rozmnožovaný len celý a nemožno ho čistiť. Rozmnožený text nie je s právomocným súhlasom Slovenského metrologického ústavu.
Note: EC-type examination certificate without signature and seal is not valid. This EC-type examination certificate may not be reproduced other than in full. Extracts may be taken only with the permission of the Slovak Institute of Metrology.

EC type certificate enables to use the meter as the rated – invoicing – one in all EU member states.





Nominal diameter	DN 15 through DN 1000
Nominal pressure	PN 10 through PN 16
Connection to tubing	Flanges EN, DIN, ANSI
Measuring tube lining	Rubber, PTFE
Sensing electrodes	Stainless steel AISI 316L
Measurement error	according to OIML R 49 class 2
Range	250/R160/R100
Resolution	0.01 m3
Ambient temperature	0 through 50°C
Temperature class	T50
Environment class	M1/B/E1
Power supply	100 through 240 V AC (optionally 12 through 24 V AC/DC)
Input power	10 VA max.
Outputs	2x passive, pulse, galvanically separated, programmable, 50 ms/imp (f=10 Hz, transistor NPN, loading 30 V/50 mA max.) 1x active, current, programmable (4-20 mA up to loading of 500 Ohm max.) 1x RS 232
Communication	keyboard, graphical, permanently illuminated display, RS232
Shielding	IP 67



	PN 16													PN 10, PN 16				PN 10							
DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600	800	700	800	900	1000		
L	165	165	200	200	200	200	200	200	250	250	300	350	450	500	500	500	600	600	800	800	1000	1000	1000		
A	216	221	231	249	259	274	294	309	319	359	389	445	525	578	638	693	815	938	1033	1130	1220	1335			
A1	267	272	282	300	310	325	345	360	370	410	440	496	576	629	689	744	866	989	1084	1181	1271	1386			
AA	163	168	178	196	206	221	241	256	266	306	336	392	472	525	585	640	762	885	980	1077	1167	1335			
s	174	179	184	196	201	209	219	226	236	251	269	296	329	356	386	416	484	546	581	639	689	739			
D1	95	105	115	140	150	165	185	200	220	250	285	340	405	460	520	580	715	840	910	1025	1125	1225			
(kg)	2	2	2	3	5	6	9	11	13	20	24	34	41	55	65	110	120	155	230	325	420	510			



