



SISMA

# G. GIOANOLA

METERING EFFICIENCY

## IDRO-OLONA

360° ROTATING COUNTER FOR EASY  
READING  
SUPER DRY DIAL



ISRF/15 - ISRF/20  
MODELS



- ❖ Mod. ISRF, DN 15 – 20, SUPER-DRY dial, **measuring range R80**, environmental class C, for use with turbid and calcareous water and in hard water areas
- ❖ Mod. ISRF-PI, DN 15 – 20, preset model **K=1 for inductive sensor PSI**
- ❖ Multi-jet turbine water meter, straight reading on 5 numbered drums, temperature classes T30 and T50
- ❖ All models can be customised with a **serial number and its relevant barcode indelibly engraved on the dial**
- ❖ **U0-D0**: Straight pipe not required upstream or downstream of meter
- ❖ **MID** approved according to European Directive 2014/32CE (module B + D) in compliance with the norms **ISO 4064, EN 14154 and OIML R49**
- ❖ All models are certified for use with potable water in accordance with the Italian ministerial decree **D.M. 174** in compliance with the European Directive 98/83CE (Drinking Water Directive)
- ❖ All models, on request, can be supplied with a pulse-emitting device or **pre-equipped** for the installation of data communication modules
- ❖ All models can be supplied complete with radio module for remote reading with LoRaWAN TM protocol for fixed network and LoRA for walk-by/drive-by, frequency 868MHz Wireless M-Bus OMS, NB-IoT.

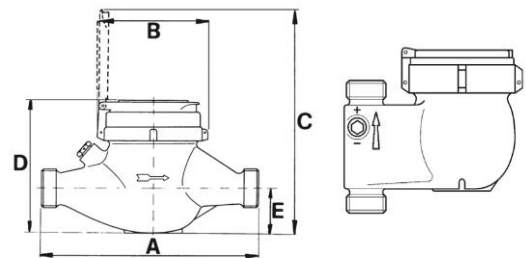
# IDRO-OLONA DRY DIAL

Nominal size mm -inches			15 - 1/2	20 - 3/4
Q <sub>3</sub>	Permanent flow rate	m <sup>3</sup> /h	2,5	4,0
Q <sub>4</sub>	Overload flow rate	m <sup>3</sup> /h	3,125	5,0
Q <sub>2</sub>	Transitional flow rate Q <sub>2</sub> at measuring range R160H [MPE ±2%]	l/h	25	40
Q <sub>1</sub>	Min flow rate Q <sub>1</sub> with measuring range R160H [MPE ±5%]	l/h	15,63	25
S	Starting flow at measuring range R 160H	l/h	4	6
	Accuracy class		2	2
	Environmental class		C	C
ΔP	Pressure loss class	bar	0,63	0,63
MAP	Maximum allowed working pressure	bar	16	16
	Dial register from /to	m <sup>3</sup>	0,0001/ 100.000	0,0001/ 100.000
A	Meter lenght without couplings	mm	110-115 130-145 165-170 190	160-165 190
	Meter lenght with couplings	mm	190-195 210-225 245-250 270	260-265 290
B	Maximum diameter	mm	96	96
C	Height with open lid	mm	195	195
D	Height with closed lid	mm	115	115
E	Height of tube	mm	35	35
	Weight with couplings	kg	1,650	1,800
	Weight without couplings	kg	1,500	1,550

**MODELS:**  
Temperature Classes T30-T50  
**SUPER-DRY dial**

ISRF/15 DN 15  
ISRF/20 DN 20

R from R40H to R200H  
R from R40V to R50V



The Company's policy is one of continuous product improvement and the right is reserved to modify the specification contained herein without notice. Illustrations are not binding 06-22

## PULSED WATER METER



### REED SWITCH PULSE EMITTER TECHNICAL DATA

- Contact ratings: 24 V - 0,2 A
- Standard length of cable supplied: 2 m

### PULSE VALUES K

- Number of liters per pulse available (pulse value must be stated when ordering):  
1 - 10 - 100 - 1000

### M-BUS OPTION

Mod. ADAPTO (to purchase separately): adapter to convert the signal generated by the reed sensor into a M-Bus signal.(refer to page 38)

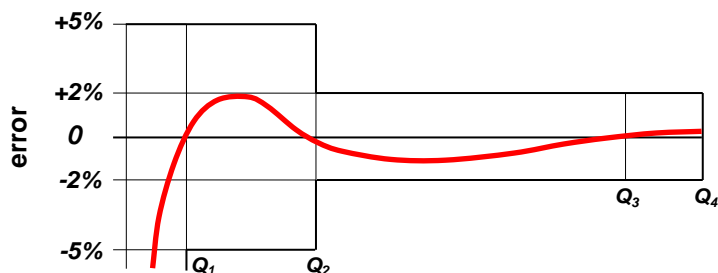
## AVAILABLE OPTIONS

- All models can be fitted with a non-return valve on request;
- The serial number (also under "barcode" format) can be engraved on the dial;
- On request, version with housing dimensioned for vertical pipelines DN20, rising flow, with flow rates Q<sub>3</sub> = 2,5 or Q<sub>3</sub> = 4,0 and length 106 mm;
- All models can be supplied on request preset or equipped with inductive or Hall effect capturing sensor
- All models can be supplied complete with radio module for remote reading with LoRaWAN™ protocol for fixed network by/drive-by, frequency 868MhZ Wireless M-Bus OMS

LoRaWAN™ M-Bus wireless OMS NB-IoT



## TYPICAL ERROR CURVE



## HEADLOSS DIAGRAM

