



G. GIOANOLA

METERING EFFICIENCY

SUPER DRY WATER METER WIRELESS M-BUS

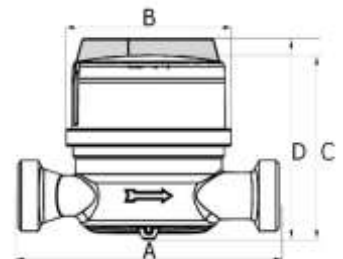
- Single jet water meter, dry dial, 360° rotating counter
- Mod. USF-8 WMB R80 for cold water T50
- Mod. USC-8 WMB R80 for hot water T90
- Equipped with WMB Wireless M-Bus 868 MHz radio module
- Straight reading on 8-digit rolls
- Measuring range up to R160H
- Transmission mode T1 on 868 Mhz frequency
- Supports the OMS standard (Opening Metering System)
- It can manage an AES128 data cryptography
- Radio module Protection Class IP68
- Radio module can be pre-set for inductive pulse output
- In compliance with Wireless M-Bus EN13757-4 standard
- **MID M1001** approved according to European Directives
- Optional version: only pre-equipped for radio module (USF-P-8 WMB/USC-P-8 WMB) and/or with chrome-plated Body
- Radio module model available LoRaWAN



TECHNICAL FEATURES RADIO MODULE WIRELESS MBUS OMS WMB	
Kind of device	Microprocessor device
Power supply	Lithium-ion battery 3,6 V
Battery life	10 years + storage (depending on environmental and operating conditions)
Max pulse frequency	10 Hz
Environmental operating conditions	-10 °C ... +55 °C
Storage temperature	-20 °C ... +60 °C
Protection rating	IP68
Length L (mm)	65
Width B (mm)	36
Height H (mm)	80
EU Approvals	In accordance with the European standards 2014/53/UE,



TECHNICAL FEATURES WATER METER			
	DN	15	20
Permanent flow rate Q ₃	m ³ /h	2,5	4,0
Overload flow rate Q ₄	m ³ /h	3,125	5,0
Transitional flow rate R80H Q ₂	l/h	50	80
Min flow rate R80H Q ₁	l/h	31,25	50
Accuracy at R80H S	l/h	7	15
Accuracy Class		2	2
ΔP Pressure Loss Class	bar	0,63	0,63
MAP Maximum allowed working pressure	bar	16	16
Dial register from / to		0,0001 / 100.000	0,0001 / 100.000
Meter length without couplings A	mm	110 (80)	130
Meter length with couplings	mm	190 (160)	228
Maximum diameter B	mm	72	72
Meter height module preset C	mm	70	74
Meter height with radio module	mm	84	88
Weight with couplings kit	Kg ~	0,66 (0,61)	0,95
Weight without couplings kit	Kg ~	0,5 (0,45)	0,70
Threaded connection		G3/4" x R1/2"	G1" x R3/4"
Operating temperature radio Module (min/max)	°C	0 ... 60	0 ... 60
Storage temperature radio Module (min/max)	°C	-20 ... 50	-20 ... 50



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. 02-25