

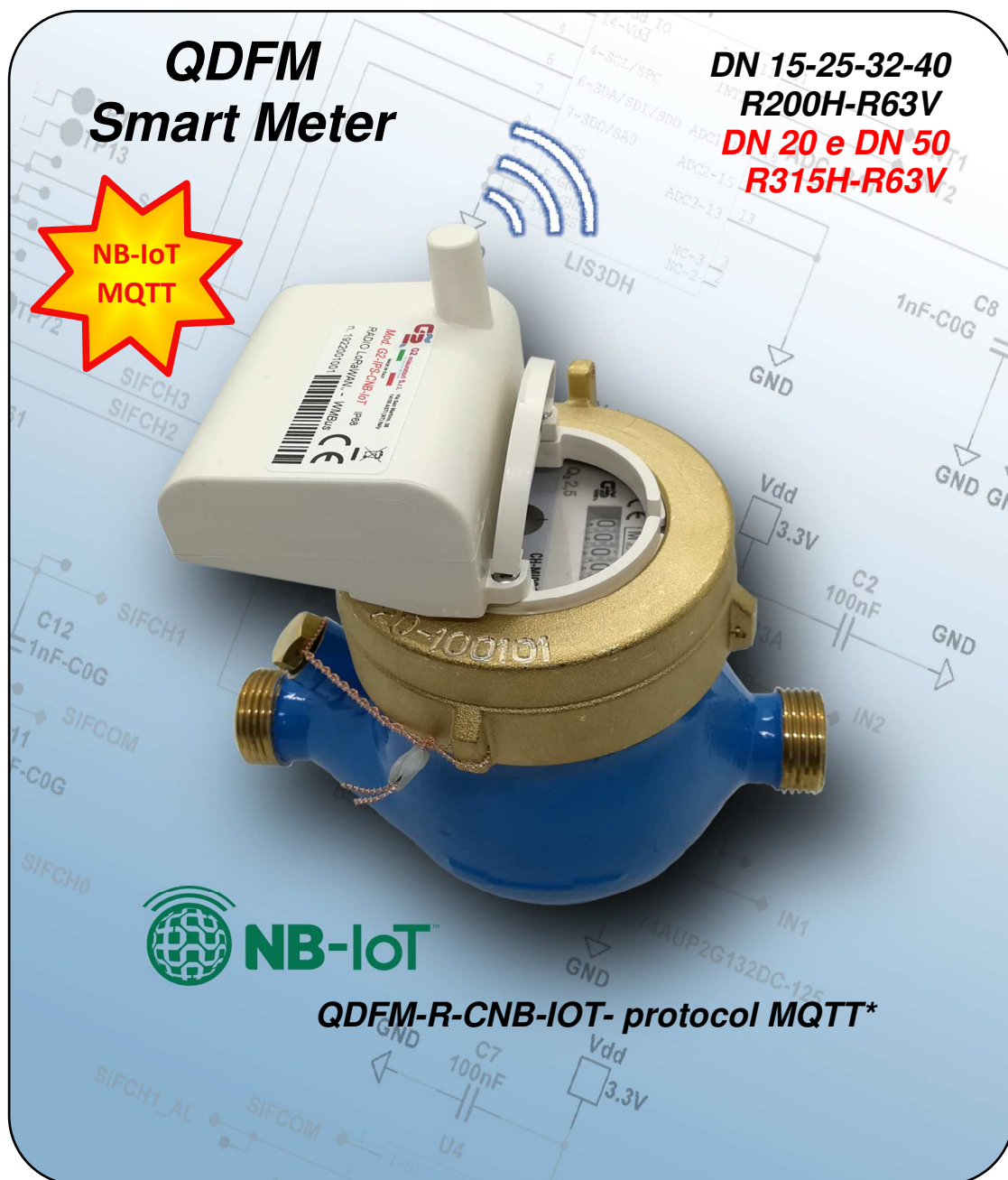
G2 misuratori

THE VALUE OF METERING



Made in
ITALY

SMART METERS



- ❑ *MQTT (Message Queuing Telemetry Transport) is a lightweight 'plug and play' messaging protocol. It has been specifically designed for situations where **low power consumption** is required
- ❑ Direct-reading **smart meter** with data transmission via fixed network Cellular standard **NB-IoT** with **MQTT protocol**,
 - water meter with radio module Mod. **QDFM-R-CNB-IOT**
- ❑ Cold water meter T50, multiple jet, with fully protected dry dial, with mechanical transmission, **DN 15-20 R315H/R160V-DN 25-32 R200H/R100V- DN 40 R160H R100V**, installation **UO-D0**,
- ❑ Inductive transmission between mechanical and electronic parts. The radio module can be replaced
- ❑ All models are **MID**-approved according to the current Directive
- ❑ All models are certified for use with potable water according to **D.M. 174 of 6/4/2004**
- ❑ Transmitted consumption data, net offset by any reverse flows
- ❑ Multi-level cryptographic data security
- ❑ Transmitted data: sensor ID, consumption data, hardware status, alarms, battery level, leaks
- ❑ Data security through multi-level encryption
- ❑ Modification of configuration data possible from the fixed network remotely and/or via radio terminal
- ❑ Resin-coated IP 68 module for outdoor use - CE certified

SMART METERS

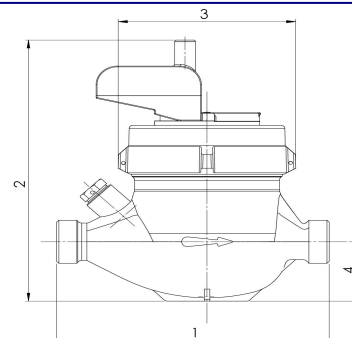
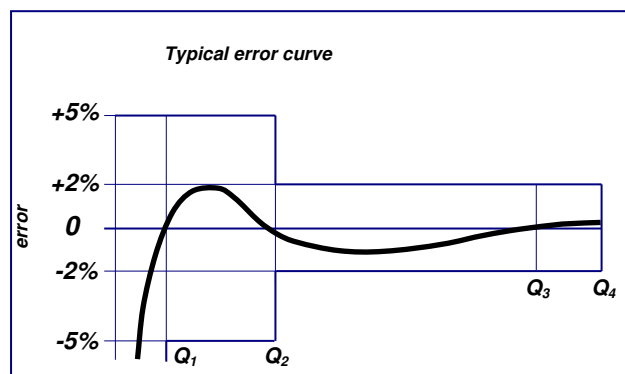
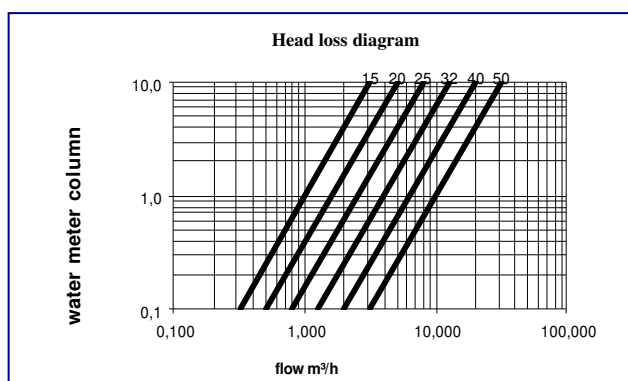
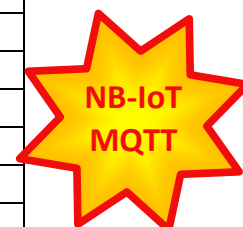


Technical data meter mechanical part DN in mm - pollici

	15 - 1/2"	20 - 3/4"	25 - 1"	32 - 1.1/4"	40 - 1.1/2"	50 - 2"
Permanent flow rate Q3 (m³/h)	2,5	4,0	6,3	10	16	25
Overload flow rate Q4 (m³/h)	3,125	5,0	7,875	12,5	20	31,25
Transitional flow Q2 with measuring range R200H [MPE ±2%] (l/h)	20	32	50,40	80	128	200
Minimum flow rate Q1 with measuring range R200H [MPE ±5%] (l/h)	12,50	20	31,50	50	80	125
Sensitivity with R200H measuring range (l/h)	3	5	8	8	15	18
Accuracy class	2					
Environmental class	C (-25°C + 55 °C)					
Pressure loss class ΔP (bar)	0,63					
Maximum permissible operating pressure MAP (bar)	16 (25 on request)					
1) Length of meter without fittings (mm)	110-115-130 145-165-170 190	130-160-165 190	160-220-260	160-220-260	200-300	300
Length of meter including fittings (mm)	190-195-210 225-245-250 270	260-265 290	320-360	320-360	440	460
2) Maximum overall height with open cover (mm)	162	162	177	177	187	197
3) Maximum overall diameter (mm)	96	96	100	100	136	136
4) Distance between pipe and meter support surface (mm)	35	35	40	40	60	70
Weight with connection kit (kg)	1,650	1,800	3,200	3,500	6,100	9,700
Weight without connection kit (kg)	1,500	1,550	2,750	2,800	5,100	7,400

TECHNICAL CHARACTERISTICS model G2-IPS-CNB-IoT

Type	Microprocessor device	
Power supply	3.6V lithium battery	
Certifications	CE, EMC (electromagnetic compatibility)	
Max pulse frequency	10 Hz	
Environmental conditions of operation	-10 °C ... +55 °C	
Storage temperature	-20 °C ... +60 °C	
Grade of protection	IP68	
Battery life	Up to 10 years on standard transmission conditions	
Battery usage profile	Temperature (C°)	Temperature (C°)
	from -10°C to 0°C	from -10°C to 0°C
	from 0°C to +30°C	from 0°C to +30°C
	from +30°C to +55°C	from +30°C to +55°C



The Company reserves the right to make changes to technical data and product illustrations - 10/24



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