Water



H200 compact - NTEP

Multijet cold water meter

Your benefits

- Utility grade and sustainable technology (robust & high grade wear resistant materials with brass body):
  Excellent measuring stability and reliability over meter lifetime and awareness of using a recyclable product
- NFC Tap and go:
  Simple commissioning process
- Plug & Play:
  Easy and fast activation in LoRaWAN (no programming required)
- Performance driven design:
  Range up to 25 miles (line of sight)
- Integrated monitoring of connectivity and reconnecting mechanism:
  Robust operation with automatic repair options, e.g. due to gateway failures

Applications

- Manufactured Homes for consumption monitoring of water and identification of critical events

Properties

- Multijet dry-dial meter with magnetic coupling
- Inlet strainer
- Horizontal installation
- Sealed register for tamper resistance
- NTEP Approval CC 21-096A1
- NSF/ANSI 61-G & 372 certified and marked
- Meets AWWA C708 accuracy standards in horizontal position
- Protection class IP68
- LoRaWAN transmission in license free 915 MHz frequency band
- Data security via AES-128-bit end-to-end encryption over 2 independent security layers
- Typical battery lifetime up to 15 years
- ADR (adaptive date rate) support gives higher transmission intervals with consistent battery life

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Technical Data

Execution			
Nominal pipe size		**1“**	**1½“**
Max. operating pressure	**psi**	**230**	**230**
Connection thread on meter	Inch	11/4“ NPSM	2“ NPSM
Max. continuous flow rate	**gpm**	**44**	**70**
Max. flow rate	gpm	55	88
Min. flow rate (±3%)	gpm	0.75	1.5
Max. operating temperature	°F	122	122

Dimensions and weights					
Length without couplings	**A**	**inch**	**10.24**	**10.75**	**11.81**
Height[1)]	B	inch	6.77	6.77	7.76
Height from pipe centre line[1)]	C	inch	5.04	5.04	5.95
Installation depth from pipe centre line	W	inch	2.52	2.52	2.68
Weight without couplings		lbs	5.95	6.25	12.13

1) The dimension B and C increase by 20mm if lid is open

Ambient conditions	
Ambient temperature	+41 °F to +131 °F
Transport & Storage temperature	+5 °F to +149 °F
Register protection class	IP68

Power supply	
Lithium battery (not replaceable)	3 V DC
Typical battery lifetime (depending on environment and configuration conditions)	Up to 15 years

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Approval	MTK3coder MP
NTEP cold/hot No. CC 21-096A1	■
New York Certificate No. 10767	■

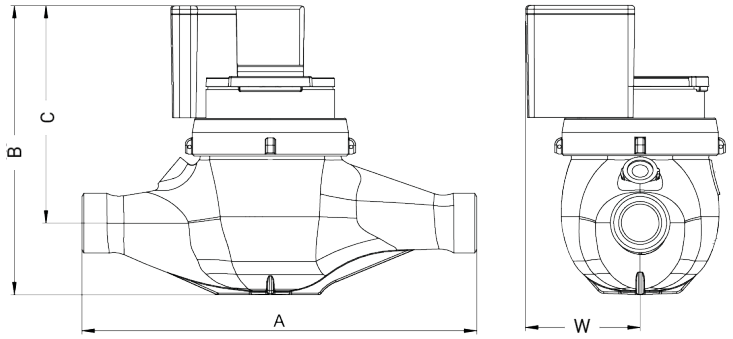
Certifications	MTK3coder MP
NSF/ANSI 61-G & 372 D-Hot / incl. cold	■
LoRa Alliance Certification (1.0.4 spec.)	■

Installation

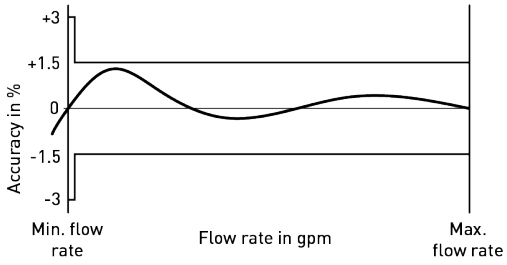
Pipeline horizontal

Meter head facing up

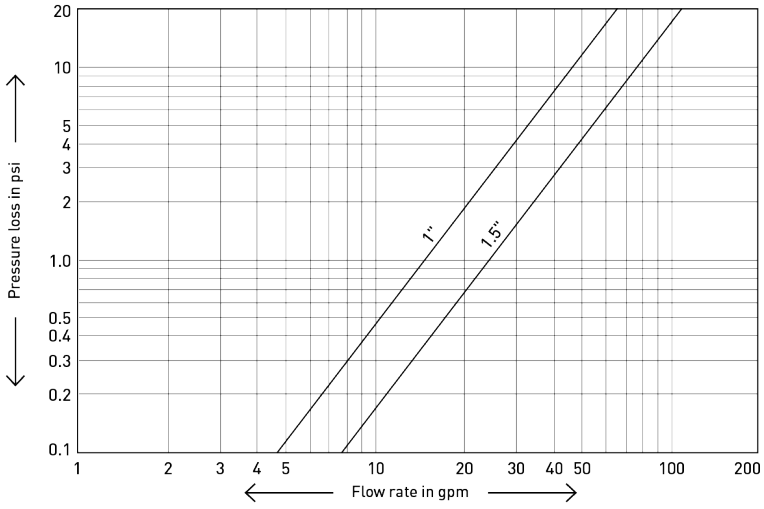
Dimension Diagram



Accuracy chart



Pressure loss chart



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LoRaWAN specifications and Information data package

LoRaWAN specifications	
Regional parameters (Frequency band)	US902-928 MHz ISM Band (902 - 928 MHz)
Transfer protocol (payload)	GWF specific
Radiated power	max. 20 dBm (100 mW)
Class	A
ADR (Adaptive data rate)	Yes
Activation type	OTAA
Approval	FCC ID: 28165-RCMH200



Information data package	
DevEUI	70B3D538700000AB
Meter manufacturer[1)]	GWF
Medium[1)]	Water
Meter S/N[1)]	23123456
Absolute meter reading (down to 15 min values)	35.9 US gallons
Remaining battery life	Semester
Alarms	Battery, LoRaWAN link error, Continuous flow / leak, Backflow, Burst pipe, No Usage
Status[1)]	Manipulation

^) This data is read directly from the GWFcoder® MP register

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