www.goldenrules.co.kr

Golden Rules Co.,Ltd

Ultrasonic Bulk Water meter KC-7800F



The nation's development item, 100% domestic goods, Patent NO. 10-1606497



Features & Benefits

- •Superior hydraulic design, no moving parts, zero wear, eliminate maintenance
- •Advanced ultrasonic technology for precise and ultra-reliable metering
- •Extremely wide turndown ratio (R=500)
- •Excellent long-term stability and reliability
- Extremely sensitive and accurate in low flows
- •Battery powered above 10 years lifetime
- •Body materials epoxy coated cast iron, carbon steel, stainless steel, suitable for utilities, waterworks, commercial, industrial, agricultural as well as ultrapure water, sea water and other corrosive fluid metering application
- •Fully submersible design (IP68)

Technical Specifications

| Photo | | | | |
|-------------------------------------|--|--|--|--|
| Nominal Size | DN50~200 | | | |
| Maximum Working Pressure | 1.6MPa | | | |
| Temperature Class | T30, T50 (Higher temperature customizable) | | | |
| Accuracy Class | Class 2 | | | |
| Battery Powered | above 10 years lifetime (20 years customizable) | | | |
| Ingress Protection | IP68 | | | |
| Environment Temperature | -20~70°C, ≤100%RH | | | |
| Pressure Loss | △p16 | | | |
| Climatic and Mechanical Environment | Class C | | | |
| Display | 9 digit LC Display + prompts Cumulative flow (m³, L, GAL), Instantaneous flow (m³/h, U/min, GPM), Flow direction, Low battery ala rm, Output mode, Leak detection, etc. | | | |
| Connections | Flanges (DN50~200) | | | |
| Electromagnetic Environment | E2 | | | |
| Flow Profile Sensitivity | U0 / D0 | | | |
| Date Storage | Store the data in last 7×24h, 365 days and 72 mon | | | |
| | DC24V: OCT pulse, 4-20mA | | | |
| Output (Option) | Battery: RS485-MODBUS, M-BUS. | | | |
| Accessories | Wireless GPRS/ GSM, Wireless handheld operator | | | |

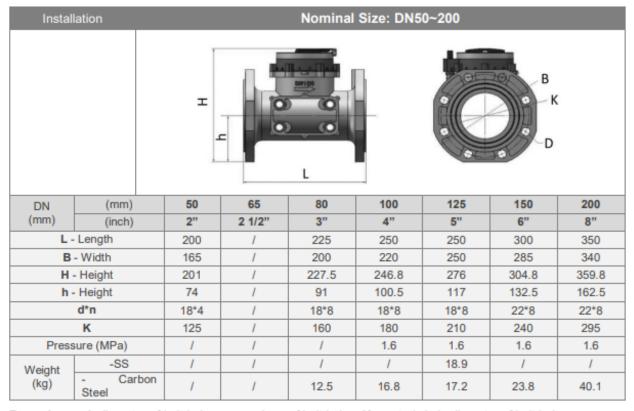
Digital Display

| 📼 🦞 🚣 🛧 Л 888wpa | m³ | Volume | ←→ | Flow direction |
|--------------------------|------|------------------|--------|-------------------|
| | m³/h | Flowrate | | Low battery alert |
| | - | Leak detection | Л | Pulse output |
| CCC CCC TO CO CCC CCC M3 | * | IR Communication | A | Alarm |
| ← 4 8.8.8.8 | ₹0 | Communication | 888mpa | Pressure |

Measurement Range

| DN | (mm) | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|------------------------------|--------|-------|--------|-------|-------|-------|-------|-------|
| DN | (inch) | 2" | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Starting Flow (m³/h) | | 0.005 | / | 0.012 | 0.019 | 0.030 | 0.044 | 0.077 |
| Q1 (m ³ /h) (±5%) | | 0.080 | 1 | 0.126 | 0.200 | 0.320 | 0.500 | 0.800 |
| Q2 (m³/h) (±2%) | | 0.130 | 1 | 0.200 | 0.320 | 0.510 | 0.800 | 1.280 |
| Q3 (m³/h) (±2%) | | 40.0 | 1 | 63.0 | 100.0 | 160.0 | 250.0 | 400.0 |
| Q4 (m³/h) (±2%) | | 50.0 | 1 | 78.7 | 125.0 | 200.0 | 312.5 | 500.0 |
| R - Q3/Q1 | | | | | 500 | | | |

Dimensions



Remarks: d: diameter of bolt holes, n: numbers of bolt holes, K: central circle diameter of bolt hole



Ordering Code

| Code: KC-7800F | | | | 3 | Description | | |
|--------------------------------|--------|----------|---|-----------------|---|--|--|
| Pi pe Si ze | -xxx | | | | DN50 to DN200 (Ex. 050-DN50, 100-DN100) | | |
| _ | Pipe C | | | | Carbon Steel | | |
| mat erial | S | | | | SUS304 | | |
| | 1 | | | | 4-20mA/ Two wire system | | |
| 04. | 2 | | 2 | | OCT Pulse | | |
| Output | | 3 | | | RS485 (Modbus-RTU)/ Battery | | |
| | | 4 | | | M-BUS/ Battery | | |
| | 1 | | | | DIN (EN1092-1) Flanges | | |
| Connections 2 | | etions 2 | | | ANSI/ ASME 16.5-150 Flanges | | |
| | 3 | | | JIS 10K Flanges | | | |
| Accessories (optional) 0 1 2 | | | | 0 | None | | |
| | | | ssories (optional) 1 Wireless handheld operator | | | | |
| | | | | 2 | External Wireless GPRS/ GSM Module | | |



Total Instruments

professional manufacturing enterprise

Distributer

Certified in accordance with

KC Q ISO 9001 : 2015 KC Q ISO 14001 : 2015

