

\*UIU included.

The prepaid AMR water meter is a Horizontal Dry Dial Multi-Jet Meter, designed for reliable measurement and billing in domestic applications. It has an internal valve which can provide prepaid management functions.

ISO 4064: 2005, BS5728. Exceeds class B.

**FEATURES & BENEFITS**

**Leak Detection**

- Meter will detect a constant flow over a predefined period of time

**Alarm**

- Low battery, low credit and tamper

**Hoard Limiting**

- To avoid “stockpiling” of credit

**Data Collection**

- Consumption and Purchase history of last 12 months

**Abnormality Detection**

- Meter will detect & record strong magnetic interference as well as any abnormal conditions

**Value Maintenance**

- The valve will be activated periodically to avoid accumulation of dirt

**Constitutional Rights**

- As the South African Constitution calls for the basic right to water, the valve does not fully close when credit is depleted

**ELECTRONIC PERFORMANCE**

Power Source	Lithium Thionyl Chloride
Battery Life (replaceable)	Typically 6 years
Battery Voltage	3.6V
Max. Current at Static Working Status	30 µA3
Minimum Pulse Detection	0.1m/Pulse
Radio Frequency Range	433 MHz
Max Transmitting Power	50 mW
Antenna	Internal
Valve Lifetime	Exceeding 10 000 Operations

**TECHNICAL SPECIFICATIONS**

**Robust Construction**

- The water meter is manufactured from the highest quality materials for maximum resistance to wear and corrosion. It is designed to resist flow disturbances. All materials are safe against health risks

**Prepaid Management Function**

- The valve will be closed when credit runs out – Top up voucher is required

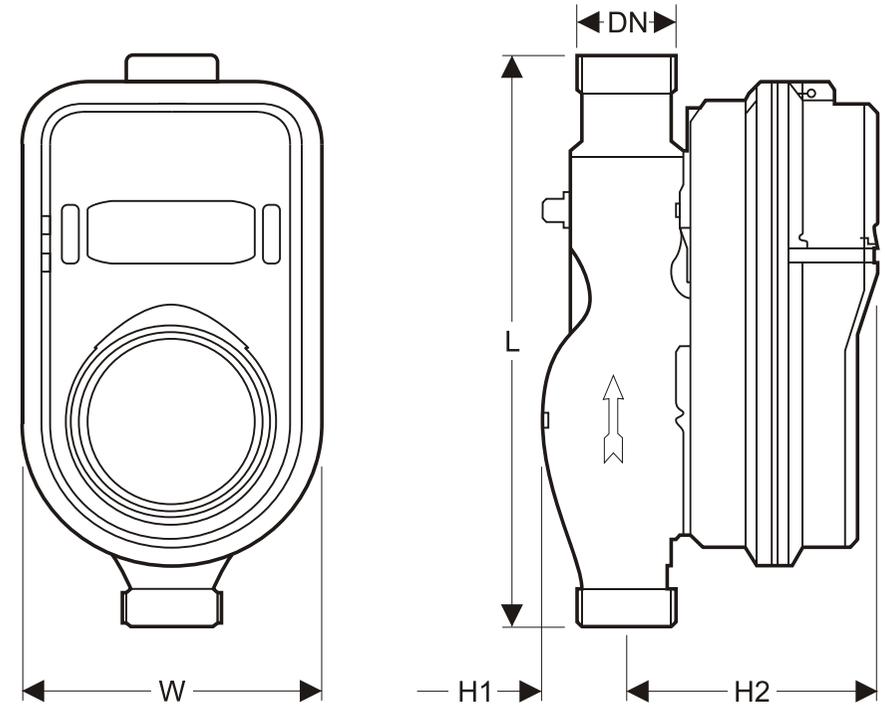
**PERFORMANCE CHARACTERISTICS**

Meter size/Normal flow rate	Qn	M3/h	1.5	2.5	2.5
	Q3	M3/h	2.5	4	4
Normal Size	DN	mm	15	20	25
	DN	inches	1/2	3/4	1
Maximum flow rate	Qmax/Q4+2%	M3/H	3/3.125	5/5	5/5
Transitional flow rate	Qt/Q2±2%	l/h	50/501	80/801	80/801
Minimum flow rate	Qmin/Q1 ±5%	l/h	30/31	50/50	50/50
Measuring range	Q3/Q1	H	R80	R80	R80
	Continuous load approx.	l/h	2500	4000	4000
	Q3	l/h	2500	4000	4000
Max. Registration			99999.9999	99999.9999	9999.9999
Max. LCD Display			999999.9	999999.9	999999.9
Pressure classes MAP	PN	MPa	1.0	1.0	1.0
	PN	bar	10	10	10
Pressure loss classes	?p63 (not exceeding 0.063MPa, at any flow rate within the range Q1 to Q3)				
Temperate classes MAT	MAT (Cold)		T30	T30	T30
	MAT (Hot)		T30/90	T30/90	T30/90
Maximum water temp	T max (Cold)	°C	50	50	50
	T max (Hot)	°C	95%	95%	95%
Climate conditions	RH		93%	93%	93%
Waterproof protection			IP67	IP67	IP67

**LCD DISPLAY**



**SCHEMATIC**



**DIMENSIONS**

Normal Size	DN	mm	15	20	25
	DN	inches	1/2	3/4	1
Meter connection thread	ISO 228/1	inches	G3/4B	G1B	G1 B
Connection pipe thread	ISO 7/1	inches	R1/2	R3/4	R1
L Meter Length		mm	165	195	225
W Width		mm	95	95	95
H1 High		mm	25	25	25
H2 High		mm	85	85	85