

## DOMESTIC WATER METERS

### VOLUMETRIC WATER METERS

V110 NRV KSM Polymer body and  
V100 NRV PSM DZR brass body



15mm 114, 15mm 165,  
20mm 165 & 25mm 198. Class C.  
20mm 114 KSM Class D accuracy.  
(available on request).

### OPTIMA MULTIJET WATER METER

M100 DZR brass body



M100: 15mm 165, 20mm 165,  
25mm 260, 40 mm 300.  
Class C accuracy.

### Q300 DOMESTIC ELECTROMAGNETIC METER

Q300 is a battery powered  
electromagnetic type water meter  
with no moving parts that is designed  
for measuring domestic flows of cold  
potable water in residential applications.



## SURFACE METERBOXES

### STANDARD POLYMER METERBOX

Suitable for all 165mm body length  
meters (Volumetric and Multijet).  
Municipal 3-way polymer ball valve  
(open, closed or trickle) with optional  
lock shield.  
External connections:  
20mm female threaded.



### STANDARD RDP4 CONTRACTORS POLYMER METERBOX

15mm and 20mm 114 meter.  
Municipal 3-way polymer ball valve  
(open, closed or trickle) with optional  
lock shield.  
External connections:  
20mm female threaded.



## ABOVE GROUND METERBOXES

### ZONKE ABOVE GROUND POLYMER METERBOX

Suitable for all 114mm and 198mm body  
length meters (Volumetric and Multijet).  
25mm internal piping.  
Municipal 3-way polymer ball valve (open,  
closed or trickle) with optional lock shield.  
Consumer 2-way polymer ball valve.  
External connections:  
20mm female threaded.  
Note: Also available in pre-paid  
configuration.



### ZONKE LITE ABOVE GROUND POLYMER METERBOX

Convex shaped polymer above ground  
meter box. Suitable for 15mm 114 and  
20mm 114 body length.  
Municipal 3-way polymer ball valve  
(open, closed or trickle).  
Optional lock shield for ball valve.  
Consumer 2-way polymer ball valve.  
External connections:  
20mm female threaded.  
Note: Also available in pre-paid  
configuration.



### EZ3 ABOVE GROUND POLYMER METERBOX

15mm V110 NRV KSM 114 meter.  
25mm internal piping.  
Municipal 3-way polymer ball valve  
(open, closed or trickle) with optional  
lock shield.  
Consumer 2-way polymer ball valve.  
External connections:  
20mm female threaded.



## BULK WATER METERS

### HELIX H4000 WOLTMANN WATER METER



Range: 40/50/80/100/150/200/250/300mm. Interchangeable internal mechanism. Suitable for forward and reverse flow measuring. Versatile bi-directional inductive pulse output with external PR7. Pressure tapping. Max working pressure: 1 600 kPa.

### HELIX H5000 HYBRID WOLTMANN WATER METER



Range: 40/50/80/100/150mm. Innovative measuring technology ensures wide measuring range (better than most combination meters). Electronic register with integral pulse output provides versatile outputs and informative display. Interchangeable internal mechanism. H4000 body can be retro-fitted with H5000 internal mechanism 40-100mm only. Suitable for forward and reverse flow measuring. Pressure tapping. Max working pressure: 1 600 kPa. Battery life up to 15 years.

### C4000 IN-LINE COMBINATION WATER METER



Consisting of an H4000 Woltmann helical vane inferential type water meter and an integral V220 class C bypass meter. Range in mm: 50/80/100. Max working pressure 1 600 kPa.

## PRE-PAID: TOKEN & STS SOLUTIONS

### STANDARD TRANSFER SPECIFICATIONS (STS)

The STS pre-paid meter runs on globally accepted standards for prepayment and is interoperable with different STS compliant vending platforms.



### WALL MOUNTED PRE-PAID METERBOX AND ZONKE METERBOX

15mm V110 NRV KSM 114 meter. Municipal 3-way polymer ball valve (open, closed or trickle) with optional lock shield. External connections: 20mm female brass threaded coupling.

## PRE-PAID COMMUNAL STAND PIPE & STAND PIPE LITE



Designed to control dispensing of pre-paid water to communal sites with no individual household connections. Use same components i.e. Pulse output KSM meters, Isolating latching valve and Electronic control box (just configured differently) as domestic pre-paid meter. Stainless steel meterbox (also available in mild steel). Manage free basic water. Tamper detection. Replaceable battery. Battery life up to 3 years, depending on number of users.

## SMART METERING SOLUTIONS

### INTELLIGENT METER READING SOLUTION (RF)



Fixed network link between water meters and web based interface. Long range remote water meter monitoring system also end-user mobile interface. Low power WAN. Up to 3 000 meters per gateway. Up to 12km LOS. Developed for IoT networks.

### GSM SOLUTION



Flow and pressure logging. Web based interface. Suitable for any pulse output water meter. Data import and export. Alarms. Automated reporting. Interactive geographic maps.

### WALK OR DRIVE-BY AMR



Wireless meter module transmits up to 1km to hand held unit. Reading modes include peer to peer, group polling or GPS automated polling. Leak detection. Consumption profiles. Automated or manual reading input.

Alternative metering products/technologies i.e. electromagnetic and/or ultrasonic, available on request.

### Training

Intensive on-site training inclusive of installation, commissioning, operation and maintenance, both hardware and software is conducted. Remote desktop software support forms an integral part of the training, thus ensuring smooth operation of the system as a whole.

### Warranty

All goods are tested and inspected prior to despatch. In the event of defects resulting from faulty workmanship or materials, such goods will be replaced/ repaired at our discretion, free of charge at the factory, but no responsibility will be accepted for any direct or consequential damage. This warranty covers the malfunction of a correctly installed item due to a manufacturing fault, but does not cover wear and tear considered normal at the locality of installation. Meter warranty on domestic meters is 3 years from date of manufacture and 2 years on bulk meters. Electronics warranty 1 year from date of manufacture.

### Approvals

Department of Trade Metrology SANS 1529-1:2006, SANS 1529-9:2008

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