APPLICATION

• Accurate measurement of cold potable water consumption.
• Suitable for large consumer applications.
• Accurate measurement and recording minimum night flow.
• Monitoring and Leak detection.
• Suitable alternative to a Combination Meter in some applications.

FEATURES

• 40mm to 100mm comply with SANS1529 -1: 2019 (Class C).
• 150mm to 300mm comply with ISO4064 (Class C).
• IP68 counter with Gauss 1500 protection.
• Clear LCD display.
• Working temperature ≤ 60°C. (Ambient Maximum 70°C).
• Working pressure 1600 kPa.
• Fanged drilled Table 16.
• 50 mm to 150mm tested and verified in South Africa.
• Epoxy coated cast iron body.
• Designed for Horizontal installation.
• Internal mechanism removable without removing body from pipe.
• Built in Flow Straightener.
• ± 8-year battery life under normal use.
• Replaceable lithium battery.
• Multiple communication options - Pulse, 4-20mA, RS485, Modbus.
• Intelligent Management Functions.
• Internal Data Logging. Data scroll through facility on counter.
• External GSM flow/pressure logger available.
• Meter not affected by magnetic interference.

INTELLIGENT MANAGEMENT FUNCTIONS

• Anti-magnetic symbol.
• Leakage indicator (Days).
• Forward reverse flow direction indicator.
• Battery Level indicator.
• Tamper indicator.
• Instantaneous Flow Rate Value.
• Accumulated Flow Rate Value.
• Overload Flow Rate Chart.
• Accumulated Flow Rate Chart.
### EMS HYBRID BULK METER PERFORMANCE SPECIFICATIONS - CLASS C

<table>
<thead>
<tr>
<th>METER SIZE (mm)</th>
<th>Maximum Flow rate qs ±2% (m³/h)</th>
<th>Permanent Flow rate qp ±2% (m³/h)</th>
<th>Transitional Flow rate qt ±2% (m³/h)</th>
<th>Minimum Flow rate q/min ±5% (m³/h)</th>
<th>Minimum Reading (m³/h)</th>
<th>Pulse Value Litres per pulse</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>30</td>
<td>15</td>
<td>0.255</td>
<td>0.09</td>
<td>0.0001</td>
<td>1,10,100</td>
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<tr>
<td>80</td>
<td>80</td>
<td>40</td>
<td>0.6</td>
<td>0.24</td>
<td>0.0001</td>
<td>1,10,100</td>
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<tr>
<td>100</td>
<td>120</td>
<td>60</td>
<td>0.9</td>
<td>0.36</td>
<td>0.0001</td>
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<tr>
<td>150</td>
<td>300</td>
<td>150</td>
<td>2.25</td>
<td>0.9</td>
<td>0.001</td>
<td>10,100,1000</td>
</tr>
<tr>
<td>200</td>
<td>500</td>
<td>250</td>
<td>3.75</td>
<td>1.5</td>
<td>0.001</td>
<td>10,100,1000</td>
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<tr>
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<td>800</td>
<td>400</td>
<td>6</td>
<td>2.4</td>
<td>0.001</td>
<td>10,100,1000</td>
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<tr>
<td>300</td>
<td>1200</td>
<td>600</td>
<td>9</td>
<td>3.6</td>
<td>0.01</td>
<td>100,1000</td>
</tr>
</tbody>
</table>

### EMS HYBRID METER HEAD LOSS CURVE

![EMS HYBRID METER HEAD LOSS CURVE](image)

### TYPICAL EMS HYBRID METER FLOW ERROR CURVE

![TYPICAL EMS HYBRID METER FLOW ERROR CURVE](image)
### DIMENSION TABLE

<table>
<thead>
<tr>
<th>METER SIZE (mm)</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>± Weight (kg)</th>
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</thead>
<tbody>
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<td>50</td>
<td>200</td>
<td>285</td>
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<td>80</td>
<td>200</td>
<td>310</td>
<td>21</td>
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<tr>
<td>100</td>
<td>250</td>
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<td>150</td>
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<td>200</td>
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<tr>
<td>300</td>
<td>500</td>
<td>557</td>
<td>108</td>
</tr>
</tbody>
</table>

![Diagram of a meter showing dimensions L and H.](https://via.placeholder.com/150x150)