



**LXSG-E1** is economic type turbine super dry water meter for residential application in sizes from 15mm to 65mm for cold and hot potable water and meets the international standard ISO4064 Class B standard for horizontal installation.

#### Features

- \* All the materials in contact with water are meeting potable water standard.
- \* Evacuated and sealed dry dial register ensures clear reading.
- \* Meter body: Brass, plastic, iron and stainless steel for selecting.
- \* Magnetic drive, lower transmission resistance, frog-resistant.
- \* Magnetic shield, for external magnetic field protection
- \* Internal strainer, inlet strainer for selecting
- \* Non return valve to avoid the reserve flow rate (optional).
- \* Pre-equipped pulse output (reed switch; hall or non-magnetic metal plate).
- \* Water temperature:  $\leq 50^{\circ}\text{C}$  for cold water meter;  $\leq 90^{\circ}\text{C}$  for hot water meter.
- \* Water pressure:  $\leq 1\text{MPa}$  or  $1.6\text{MPa}$  optional (10bar or 16bar optional).
- \* **The register can be 5 rollers and 4 pointers or 8 rollers and 1 pointer.**

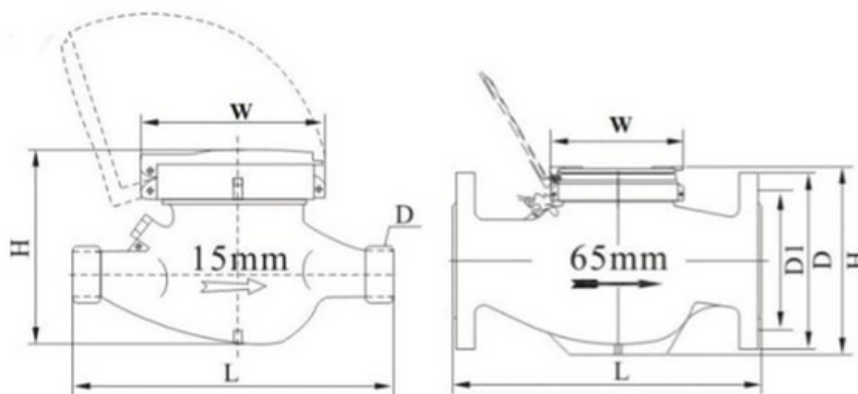
## GET IN TOUCH

021-001-4653  
010-824-7069  
031-001-6452

info@utilitypal.co.za  
www.utilitypal.co.za

Head Office  
Second Floor (S8 & 9) The Sanctuary Mall  
Cnr De Beers Ave & Broadway Blvd  
Somerset West, Cape Town, 7130

**Dimensions:**



| Meter Size | Length (L) | Width (D) | Height (H) | Connecting Thread              |
|------------|------------|-----------|------------|--------------------------------|
| mm         | mm         |           |            | D                              |
| 15         | 165/190    | 98        | 104        | G 3/4B                         |
| 20         | 190/195    | 98        | 106        | G 1B                           |
| 25         | 260/225    | 103       | 115        | G1 1/4B                        |
| 32         | 260/230    | 103       | 115        | G1 1/2B                        |
| 40         | 300/245    | 124       | 153        | G 2"B                          |
| 50         | 300        | 124       | 153        | G2 1/2 B                       |
|            | 280        | 165       | 175        | Flange connecting<br>GB 4216.4 |
| 65         | 280        | 165       | 179        |                                |

**Main Technical Data According to ISO4064 :1993 (Old Standard)**

| Size   | Inch | Class | Qmax              | Qn           | Qt                | Qmin     | Min reading    | Max reading |
|--------|------|-------|-------------------|--------------|-------------------|----------|----------------|-------------|
| DN(mm) |      |       | Maximum flow      | Nominal flow | Transitional flow | Min flow |                |             |
|        |      |       | m <sup>3</sup> /h |              | L/h               |          | m <sup>3</sup> |             |
| 15     | 1/2" | B     | 3                 | 1.5          | 120               | 30       | 0.00005        | 99999       |

**GET IN TOUCH**

021-001-4653  
010-824-7069  
031-001-6452

info@utilitypal.co.za  
www.utilitypal.co.za

Head Office  
Second Floor (S8 & 9) The Sanctuary Mall  
Cnr De Beers Ave & Broadway Blvd  
Somerset West, Cape Town, 7130

|    |        |   |    |     |      |     |         |       |
|----|--------|---|----|-----|------|-----|---------|-------|
| 20 | 3/4"   | B | 5  | 2.5 | 200  | 50  | 0.00005 | 99999 |
| 25 | 1"     | B | 7  | 3.5 | 280  | 70  | 0.00005 | 99999 |
| 32 | 1 1/4" | B | 12 | 6   | 480  | 120 | 0.00005 | 99999 |
| 40 | 1 1/2" | B | 20 | 10  | 800  | 200 | 0.00005 | 99999 |
| 50 | 2"     | B | 30 | 15  | 3000 | 450 | 0.00005 | 99999 |
| 65 | 2 1/2" | B | 50 | 25  | 5000 | 750 | 0.00005 | 99999 |

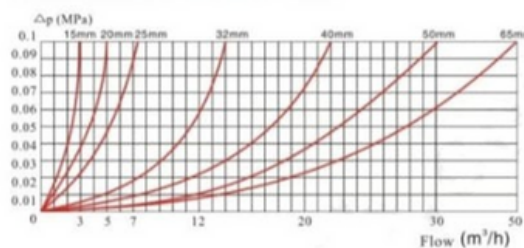
#### Maximum Permissible Error:

In the lower zone from  $Q_{min}(Q_1)$  inclusive up to but excluding  $Q_t(Q_2)$  is  $\pm 5\%$ .

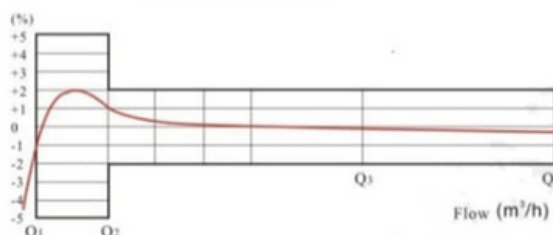
In the upper zone from  $Q_t(Q_2)$  inclusive up to and including  $Q_{max}(Q_4)$  is  $\pm 2\%$  (cold water meter) .

In the upper zone from  $Q_t(Q_2)$  inclusive up to and including  $Q_{max}(Q_4)$  is  $\pm 3\%$  (hot water meter) .

**Pressure Loss Curve**

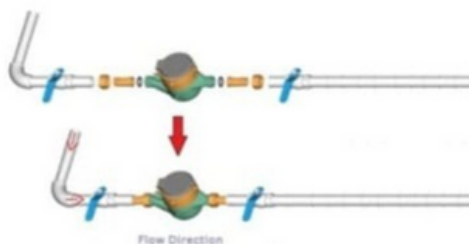


**Flow Error Curve**



#### Installation requirements:

- \*The meter should be installed in horizontal position with the direction of the flow as indicated by the arrow cast in the meter body with the register face upwards.
- \*Pipeline must be flushed before installation.
- \*The meter should be constantly full of water during operation.
- \* We suggest the installation of the water meter as:



## GET IN TOUCH

021-001-4653  
010-824-7069  
031-001-6452

info@utilitypal.co.za  
www.utilitypal.co.za

Head Office  
Second Floor (S8 & 9) The Sanctuary Mall  
Cnr De Beers Ave & Broadway Blvd  
Somerset West, Cape Town, 7130