## Adept-MWM (Mechanical Water Meter) Smart Meter for Smart Cities



Adept-MWM (Mechanical Water Meter) is an impeller (turbine) type water meter with magnetic transmission, dry type register. Adept-MWM is indeed a Smart Water Meter which is most suitable for Municipal Water Schemes. With sizes ranging from DN 15 to DN 20 it meets the requirements of ISO 4064 & IS 779.

#### **Characteristics**

- All the materials coming in contact with water are resistance to corrosion
- Adept-MWM (Mechanical Water Meter) can be safely used for metering water with temperature up to 50°C (T50) as against other conventional water meters which are generally suited for temperatures lower than 30°C (T30)
- ▲ Rotary indicator register for comfortable reading position of 7 Rollers & 2 Pointers
- ▲ Rotary plastic cap and lid is easy to install
- ▲ Impeller is the only moving part coming in contact with water
- ▲ The inlet filter of the meter body allows its cleaning without breaking the metrological seal (Internal filter as an option)
- Magnetic protection against external influences
- Non-return valve to avoid the reserve flow rate (optional)

#### **Features**

- ▲ LoRaWAN connectivity
- Easy to install using simple connectors
- ▲ Protection Class: IP 67
- Protection from magnetic attack
- ▲ Smart economical solution

#### **Advantages**

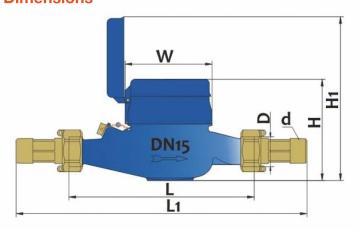
- Accurate billing
- Water saving
- Time and manpower saving
- ▲ Helpful in increasing revenue of utilities



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#### **Dimensions**



Size	DN 15	DN 20	
L	165	190	
L1	259	294	
D	G3/4B	G1B	
d	R1/2	R3/4	
Н	90	90	
H1	145.5	145.5	
W	77.5	77.5	

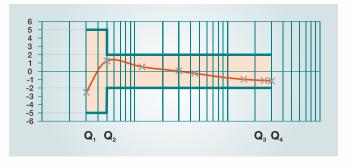
Dimension L1: Total length with connection and the gasket without compression

### **Technical Specifications**

Size	mm	DN 15	DN 20	DN 20	
R	Q <sub>3</sub> /Q <sub>1</sub>	80	80	80	
Q4	m³/h	3,125	5	3,125	
Q3	m³/h	2,5	4	2,5	
Q2	l/h	50	80	50	
Q1	l/h	31,25	50	31,25	
Specification as option					
R	Q <sub>3</sub> /Q <sub>1</sub>	50	50	50	
Q4	m³/h	2	3,125	2	
Q3	m³/h	1,6	2,5	1,6	
Q2	l/h	51.2	80	51.2	
Q1	l/h	32	50	32	
Max. Reading	m³	99999.9999			
Min. Reading	Litre	0.05			
Pressure Loss	ΔP	△P<63 at Q3			
Max. Pressure	MAP	MAP16			
Max. Temperate	°C	T30 or T50			

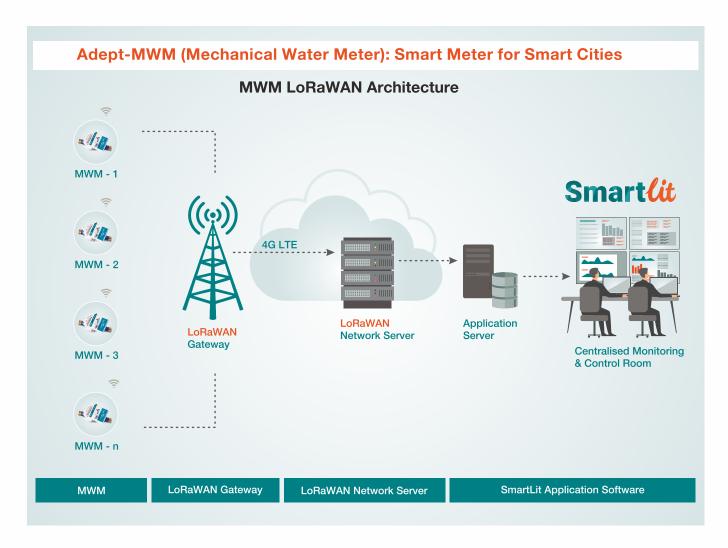
#### Max. Permissible Error

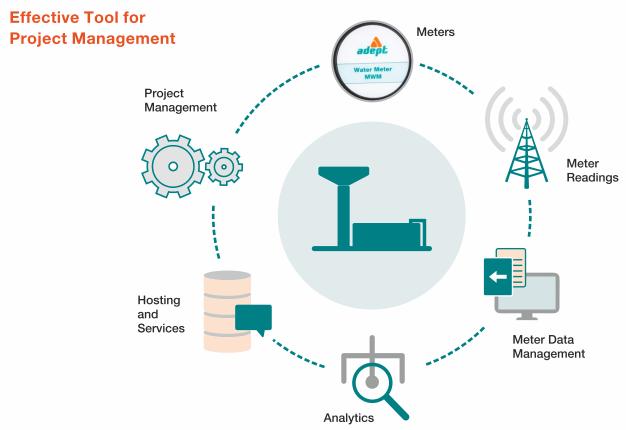
- ▲ From  $Q_1$  inclusive up to but excluding  $Q_2$  is ± 5%
- $\blacktriangle$  From  $Q_2$  inclusive up to and including  $Q_4$  is  $\pm~2\%$  for T30 and  $\pm3~\%$  for T50



Error (%)



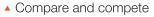




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#### **Smart Monitoring Through App**

- ▲ Quick view of consumption ▲ Consumption graph
- ▲ Number of days left





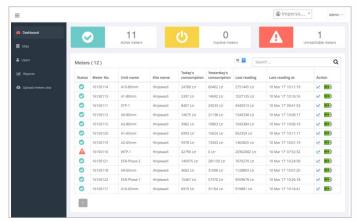


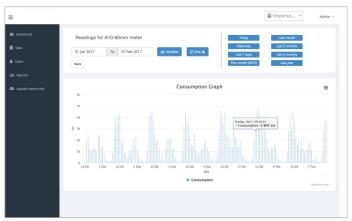






**Dashboards** 











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