

AGRICULTURE WATER METER (POLYMERIC)

MODEL IRP



Automat is a trusted name in agricultural water management. We believe that if you can't measure water, you can't save it. That's why affordable water meters and flow meters are essential — they help farmers know exactly how much water is being taken from the ground or used on their crops.

These meters work with all types of irrigation systems: Flood irrigation, Drip irrigation & Sprinkler irrigation.

By measuring water use, farmers can avoid waste, lower costs, and make sure crops get just the right amount of water.

The Aquameter

It features a tangential impeller mounted to resist weeds and solid debris, making it ideal for irrigation and wastewater applications. Its dry-dial with pulse output and vacuum-sealed register ensure clear and long-term readings. Excellent Corrosion Resistance.

Application

Perfect for precise water measurement in agricultural irrigation, raw water application and wastewater systems.

Highlights

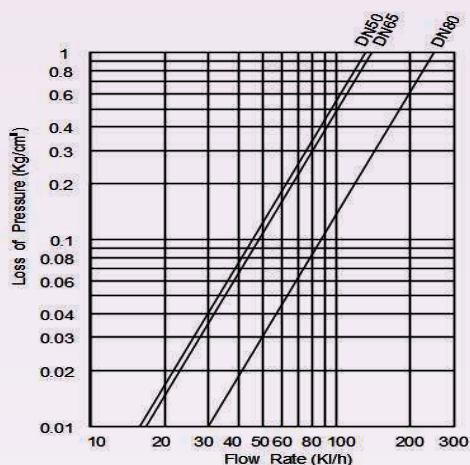
- Paddle Wheel mounted at the top of the flow cross section not sensitive to weeds and solid debris.
- Dry-dial for easy metering reading equipped for pulse output.
- Sealed register ensures clear reading in a long-term service.
- Technical data conform to ISO 16399.
- Very low head-loss.
- Plastic Body and Cover.
- High Accuracy:
Lower Zone: $\pm 5\%$ (Q_1 up to but excluding Q_2)
Upper Zone: $\pm 2\%$ (Q_3 up to and including Q_4)

Working conditions

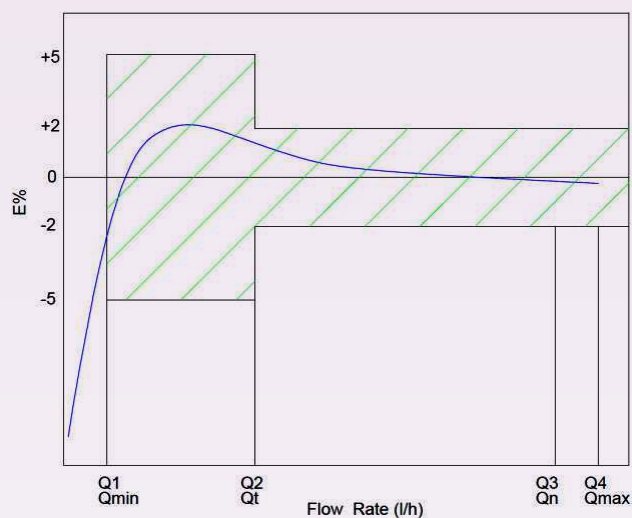
Water temperature	: $0.1^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Water pressure	: $\leq 10 \text{ Kg/cm}^2$
Max head-loss	: $\leq 0.1 \text{ Kg/cm}^2$

Technical Specifications

Head-Loss curve

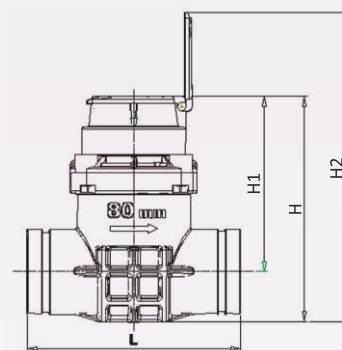


Typical Accuracy Curve



Dimensions (mm)

Size	DN	50		65	80	
Length	L	200		215	225	
Height	H	213		213	238	
Height from centre	H1	175		175	184	
Total Height required for Installation	H2	300		300	325	
Weight [Kg]		1.7	1.6	1.8	1.9	
End Connections Options		2" BSP	Grooved	2½" BSP	3" BSP	Grooved



Flow Rates and Working Conditions

Size	mm	50	65	80
R=Q3/Q1		R20		
Q4	m³/h	31.25	50	78.75
Q3	m³/h	25	40	63
Q2	m³/h	2	3.2	5.04
Q1	m³/h	1.25	2	3.15
Max. Reading	m³	999999.9999	999999.9999	999999.999
Min. Reading	m³	0.0005	0.0005	0.002
Head loss AP	Kg/cm²	0.1		
Max. Pressure MAP	Kg/cm²	10		
Max. Temperature MAT	C	50°		