WAFER STYLE ULTRASONIC FLOW METER DN80, DN100, DN150.



- 25mm thick, slips easily between DIN flanges.
- Ideal for irrigation, sewage or acidic mine water.
- Robust nylon construction, no corrosion issues.
- Internal ultrasonic sensor, for reliable operation.
- Internal battery power or 24VDC power options.
- IP68 protection.
- RF comms module option for wireless meter reading.
- Open collector & TTL outputs, 4-20mA analogue with 24VDC power option.
- Accuracy ±2% in normal flow range.
- No pressure drop.
- Pressure rated to 1.6MPa.
- Fluid temperature 0 to 30°C, ambient to 45°C.

Designed for simple installation between flanges the Merriman MWU-T3K1 brings stable, accurate flow rate & totalisation within the budget for every water management application.

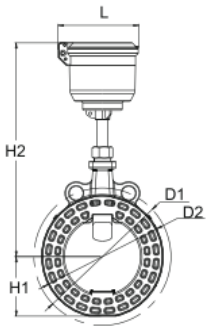
The internal lithium battery, with a life of up to 6 years, eliminates power supply hassles & can power an RF transmitter for wireless meter reading. The built in LCD displays the instantaneous flow rate & accumulated total with status details for inspection at any time.

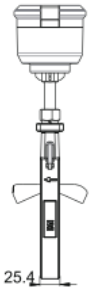
With no moving parts the meter is maintenance free, providing reliable monitoring & control of bore water pumps & irrigation systems.

Where mobile phone networks are available the meter can provide telemetry to assist the effective management of water resources.

With the innovative sensor design & the convenience of lithium battery power the meter can be moved from site to site with very little inconvenience, making data acquisition of water flows convenient & cost effective.

DIMENSIONS





Unit: mm

Nominal Size DN(mm)	Dimension			Flange Size				Weight kg	Pressure MPa
	L	H1	H2	Outer Diameter D1	Central circle diameter of bolt holes D	Bolt Hole Bore diameter ×Quantity Φ × n	Bolt Hole Quantity		
DN80	147	68	280	140	160	18×8	2	2.2	1.6
DN100	147	78	270	160	180	18×8	2	2.3	1.6

FLOW RANGE & ERROR CURVE

Nominal Diameter (mm)	R	Flow (m^3/h)				
		Starting Flowrate	Minimum Flowrate Q1	Transitional Flowrate Q2	Permanent Flowrate Q3	Overload Flowrate Q4
DN80	40	0.625	2.500	4.000	100.000	125.000
DN100	40	1.000	4.000	6.400	160.000	200.000



DISPLAY & OPERATION



ANOTHER SIMPLE SOLUTION FROM MERRIMAN