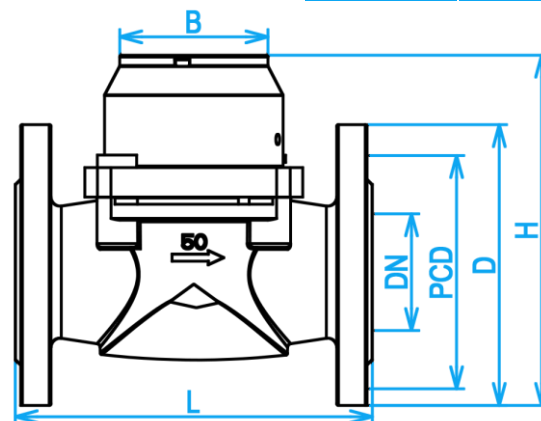
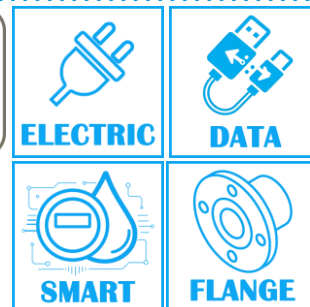


EPOXY-COATED WOLTMAN DRY-DIAL PHOTOELECTRIC DIRECT-READING WATER METER WITH MODBUS RTU VIA 2-CORE M-BUS INTERFACE (R80)

COMPLIES WITH ISO 4064: 2014



SIDE VIEW

Communication Protocol: Modbus RTU
Communication Interface: 2-core M-Bus
Transmission Rate: 2400 bit/s

STANDARD SPECIFICATIONS

Water Temperature	0°C ≤ t ≤ 30°C
Operating Pressure	≤ 1.6 Mpa
Operating Voltage	24~42 V DC
Quiescent Current	≤ 1.2 mA
Meter-reading Current	≤ 5.6 mA
Battery Lifespan	6 Years (Estimated)
Communication transmission rate	2400 bit/s
Accuracy Class / Performance ratio (R)	R100 / R80

COMPONENT PARTS

ITEM	PARTS	MATERIAL
1	Lid	ABS
2	Sealed Register	PC+ABS+POM
3	Communications	Epoxy Resin Copper Silicon PA
4	Body	Epoxy-coated Ductile Iron
5	Impeller	ABS
6	Flange	Epoxy-coated Ductile Iron

FLOW RATE SPECIFICATIONS

SKU	R [Q ₃ / Q ₁]		Q ₁ Minimum flow rate [m ³ / h]	Q ₂ Transitional flow rate [m ³ / h]	Q ₃ Nominal flow rate [m ³ / h]	Q ₄ Maximum flow rate [m ³ / h]	Maximum count
	Horizontal	Vertical					
WMSN050FMB	R100	R50	0.40	0.640	40	50.00	99999.9
WMSN065FMB			0.40	0.640	40	50.00	999999
WMSN080FMB			0.63	1.008	63	78.75	999999
WMSN100FMB			1.00	1.600	100	125.00	999999
WMSN125FMB	R80		2.00	3.200	160	200.00	999999
WMSN150FMB	R100		2.50	4.000	250	312.50	999999
WMSN200FMB	R100		5.00	8.000	400	500.00	999999

DIMENSIONS

SKU	DN (mm)	L (mm)	H (mm)	B (mm)	CONNECTING FLANGE			WEIGHT (kg)	PCS/CTN
					D	PCD	N*d		
WMSN050FMB	50	200	200	85	165	125	4*M16	8.60	1
WMSN065FMB	65	200	265	91	185	145	4*M16	11.96	1
WMSN080FMB	80	225	245	85	200	160	8*M16	13.50	1
WMSN100FMB	100	250	250	85	220	180	8*M16	15.60	1
WMSN125FMB	125	250	285	91	245	210	8*M16	22.00	1
WMSN150FMB	150	300	340	91	285	240	8*M20	34.76	1
WMSN200FMB	200	350	370	91	340	295	12*M20	44.30	1

*1] Ensure water meter is installed in the correct water flow direction.

2] Always ensure to select the correct size and spec for the meter.

3] All of the above water meters are suitable to be installed in the horizontal and vertical position. Failing to comply will result in damaging the meter and warranty will be voided.

4) For indoor installation only.

***Note: Tolerance for L is ±5% .**