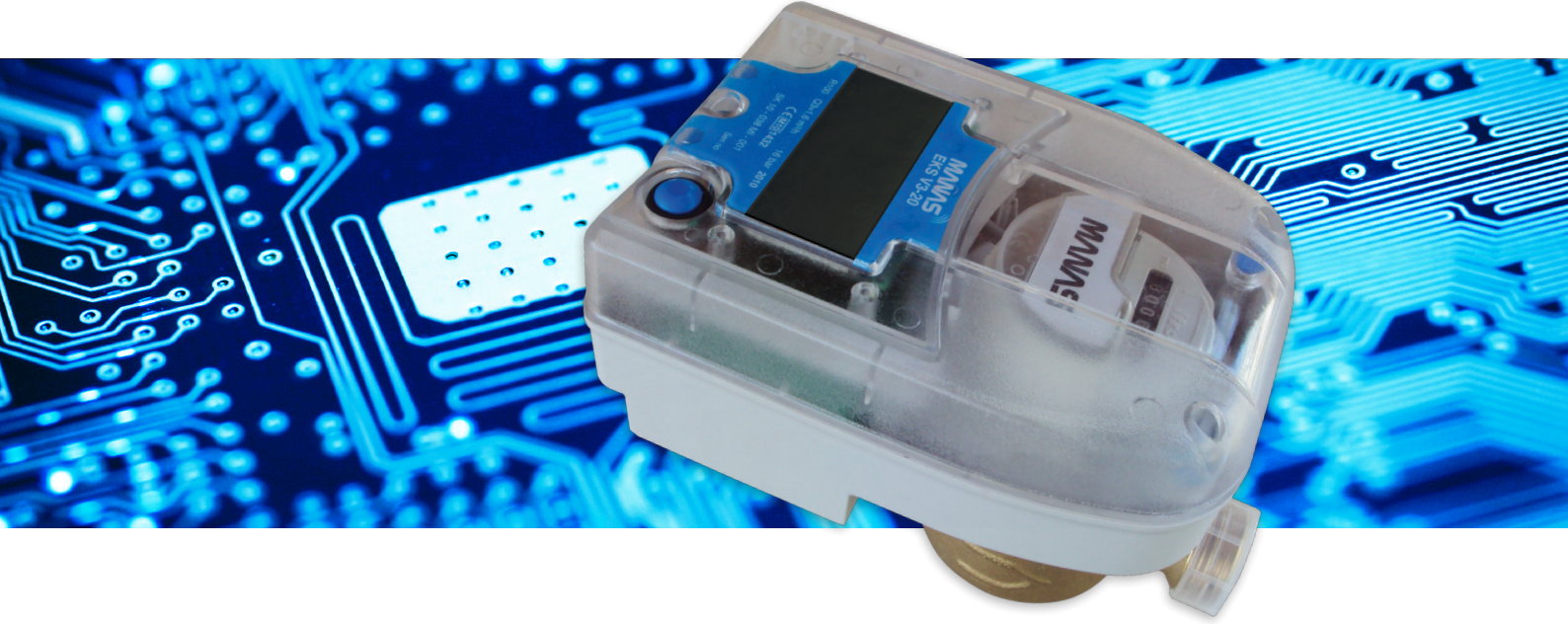




MANAS

Energy Management
Itron Turkey Distributor



EKS V3-20/Q3-20

Volumetric Water Meter

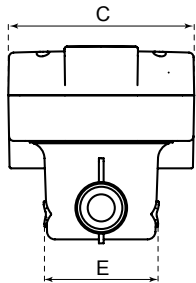
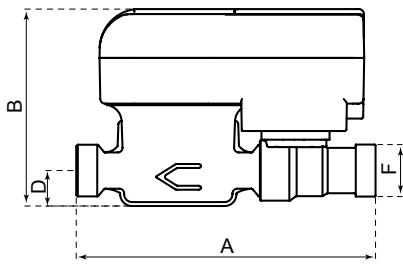
Electro-Controlled Volumetric Water Meter starts measurement within 1 liter water flow. It has been designed according to IP67 standards in order not to be effected by outdoor conditions. With such a low initial flow rate it allows to increase the revenue of water utility without bringing high costs.

Contrary to other pre-paid meters, our Electro-Controlled Meter (ECM) with its volumetric structure which starts to measure from 1 liter is designed according to IP67 protection class for not being affected by outdoor environments. With such a low initial flow rate it allows to increase the revenue of water utility without bringing high costs.

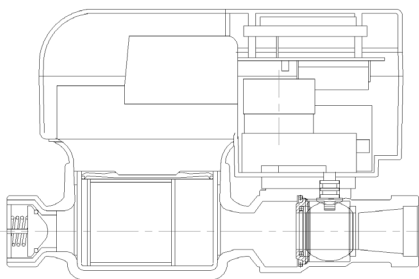
Another important advantage of the new generation ECM is to keep the same accuracy in all position for many years while maintaining the same metrological feature.

Thanks to the modular structure of option board, it provides communication options such as GPRS, NFC, RF and also allows the use of meter in prepayment, or post payment mode.





Dimensions	mm
	DN20
A	190 mm
B	125 mm
C	120 mm
D	22 mm
E	70 mm
F	G1" B
Qmax	2 m³/h
	3 m³/h



Meter Specifications

Meter Specifications (DN)	mm	20		
	inches	3/4"		
		R100	R160	R250
Metrologic class		at all positions		
MID approval number		CE1432, 2004/22/EC (MID)		
Max. operating temperature	0C	30		
Shortterm max.operating temperature	0C	50		
Starting flow rate	L/h	1	1,5	
Min. Flow rate	Q1	L/h	16	15,6
Transitional flow rate	Q2	L/h	25,6	25
Nominal flow rate	Q3	L/h	1600	2500
Maximum flow rate	Q4	L/h	2000	3125
Max. Operating pressure		bar	16	
Test pressure		bar	25	
Digit		m3	9999999,999	

General Dimensions

Nominal diameter	mm	20
Meter threads		G1" B
A (Standart)	mm	190
B	mm	120
C	mm	123
D	mm	26,5
E	mm	G1" B

RF System (Optional)

Communication frequency	868 MHz
Communication distance	Open Area 200 m Close Area 100 m
Battery	C size 3,6V Lithium
Battery Life	15 Years
Operating Temperature	-400 / +850

NFC Contactless System (Optional)

Communication frequency	13,56 MHz
Communication distance	5 cm
Standards	ISO / EC 1982, ISO/EC 1443A
The feasibility to all mobile phones with apparatus	

GPRS System (Optional)

Quad band feature	868 MHz
Battery Life	10 Years
Operating Temperature	-40° / +85°
Compact structure	-
External power supply	No

MNS/ECM V3-20/Q3-20 Brochure R.004 03/04/2017

MANAS

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Manas Energy Management Industry and Trade Inc.

Factory : 1. Organize Sanayi Bölgesi Anadolu Cad. No: 25
Sincan 06935 ANKARA / TURKEY
t : +90 (312) 267 05 03 / f : +90 (312) 267 05 09

