

Flow measurement with volume preselection - TS

for highly inflammable liquids



Flow meters type VA10 in PURE-version are optionally available for the food-, cosmetics and pharmaceutical industry.

Technical data	Type LM10 / Ex-RM10dK	Type UN10 / Ex-RM10dK	Type VA10 / Ex-RM10dK
Range of use	Solvents and many other easily inflammable liquids, oils and neutral liquids.	Solvents and easily inflammable liquids, most of acids and alkalis.	Nearly all solvents and easily inflammable liquids. Many acids, alkalis and other liquids.
Flow volume	min. 10 – max. 100** l/min.	min. 10 – max. 100** l/min.	min. 10 – max. 100 l/min.
Temperature	40 °C	40 °C	40 °C
Viscosity	2.000 mPas	2.000 mPas	5.000 mPas
Operating pressure	4 bar	4 bar	10 bar
Accuracy	± 1% standard < 1% with adjustment to application conditions	± 1% standard < 1% with adjustment to application conditions	± 1%
Inlet port	G 2 outer thread to fit connector with union nut	G 2 outer thread to fit connector with union nut	G 1 1/4 outer thread
Outlet port	G 1 1/4 outer thread	G 1 1/4 outer thread	G 1 1/4 outer thread
LCD display	Touch-Screen 63x63 mm, 128x128 pixels, Display sub-total and total volume can be reset		
Menu language	DE, GB, ES, FR, IT, NL, PT, RU		
Materials:			
Housing	PPS	PPS	Stainless steel (1.4581/1.4571)*
Measuring chamber	LCP	LCP	Stainless steel (1.4581/1.4571) ETFE/PTFE
Seals	FEP	FEP	FEP
Magnet	BaFe / MS / Stainless steel 1.4401	PPS encapsulated	PTFE encapsulated
Type of pretection:			
Operating unit	II 2G Ex ib IIB T4 Gb***	II 2G Ex ib IIB T4 Gb***	II 2G Ex ib IIB T4 Gb***
Basic flow meter	II 2G T4 Gb	II 2G T4 Gb	II 2G T4 Gb
Protection class	IP 55	IP 55	IP 55
Weight	4,3 kg	4,3 kg	6,7 kg
Relay module Ex-RM10dK			
Voltage	220-230 V		
Frequency	50-60 Hz		
Switching outputs	2 NO (potentially bound)		
Output 1 (pump)	8 A, cos > 0,7		
Output 2 (valve)	0,5 A		
Type of protection	II 2G Ex de [ib Gb] IIC T6 Gb		
Order No.	0231-020 + 0230-251	0231-030 + 0230-251	0231-040 + 0230-251

* Special materials on request General information to the chemical resistance of the different flow meters you will find in our chemical resistance list.

** Short-time 120 l/min.

*** Protection class II 2G Ex ib IIC T4 Gb on request