



AM 72

4 Technical data

Ex-measuring instrument	AM 72	Moving iron	Moving coil
Marking accd. to 2014/34/EU		Ⓢ II 2 G Ex e II / Ⓢ II 2 G Ex e mb II Ⓢ I M 2 Ex e I	Ⓢ II 2 G Ex ib IIC Ⓢ I M 2 Ex ib I
EC-Type Examination Certificate		PTB 99 ATEX 2032 U	
Application temperature		-20 °C up to +40 °C -55 °C up to +55 °C (option)	
Rated voltage		up to 420 V (AM 45) up to 750 V (AM 72)	
Power consumption (VA)		max. 0.31 A	
Overload range		10 fold - 25 sec. 25 fold - 4 sec. 50 fold - 1 sec. indicated 1 : 1.5, optional 1:6, 1:10	10 fold - 5 sec.
Measuring range		max. 0 - 25 A direct / n / 1A	0/4 - 24 mA
Inductance Li			< 0.1 mH
Capacitance Ci			< 0.1 nF
Winding specification of moving coil			26.5 windings
Internal resistance			2.5 Ω ±30 %
Open circuit voltage max. Ui			30 V
Connecting terminals max. Ii			150 mA
Accuracy		Class 2.5	Class 1.5
Movement		Moving iron	Moving coil
Connecting terminals		2 x 1.5 - 4 mm ²	
Degree of protection accd. to EN 60529		IP66 (installed condition)	
Display size		40 x 40 mm (AM 45) 68 x 68 mm (AM 72)	
Weight		0.35 kg	
Type of mounting		DIN rail mounting	
Enclosure material		Polycarbonate	