

Amplifier Typ: KMV-10



The KMV-10 is an amplifier to connect **Tensometric** strain-gage-sensors series 11xx

Mounted in the machine, preferable near to the sensor, the KMV-10 transforms the low output tension of the strain-gage-system into a standard tension for a more distant utilisation.

In its space-saving alu-housing the electronic system is protected against dust and spray-water.

Removal the lid, permit the access to the potentiometer for adjusting the zero and the calibration.

The connection is realized by means of the delivered plugs.

The amplifier KMV - 10 is available for service voltage of + - 15 V , 24 V , 12 V or 5 V .
 Therewith it is compatible to most of the existing sources of tension.

To feed the strain-gage system a high constant power supply is built-in.

Technical data:

Bridge excitation	10 V max. 30 mA		
Input voltage	0...15 mV		
Input - resistance:	4 G Ω		
Output- tension	0 - 10 V max. 2 mA		
	Option: 4 up to 20 mA		
Zero adjusting-range	$\pm 20 \%$		
Gain	560 - 1250		
Service voltage (DC) :	$\pm 15 V \pm 5\%$	<+ 50 mA -10 mA	Typ: KMV-10
	Option:		
	5 V $\pm 10\%$	< 200 mA	Typ: KMV-10- 5
	12 V $\pm 10\%$	< 120 mA	Typ: KMV-10-12
	24 V $\pm 10\%$	< 35 mA	Typ: KMV-10-24
Limit. Frequency	300 Hz		
Error in measurement	< 0,1 %		
Housing	Aluminium AISi12		
	Impact strength	DIN 500: 7,0 Nm	
	color:	similar RAL 7001 grey	
	Dimensions :	L = 98 mm, W = 65 mm, H = 36 mm	
Protected DIN 40050	IP 54		
Volume of delivery	Amplifier KMV 10, one plug for input and output, Instruction manual		