

Meteo M&R

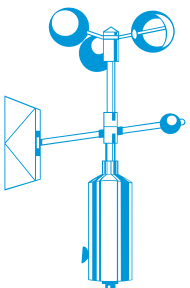
signal converter



model VM9

SIGNAL CONVERTERS
FOR CONVERTING VARIOUS SIGNALS
TO ANALOGUE OUTPUT SIGNALS

The universal converter VM9 has been designed to convert signals of all kinds of sensors into analogue output signals of 4..20 mA and 0..10V. Possible input signals are: frequency, voltage and resistance



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Therefore the unit may be used with:

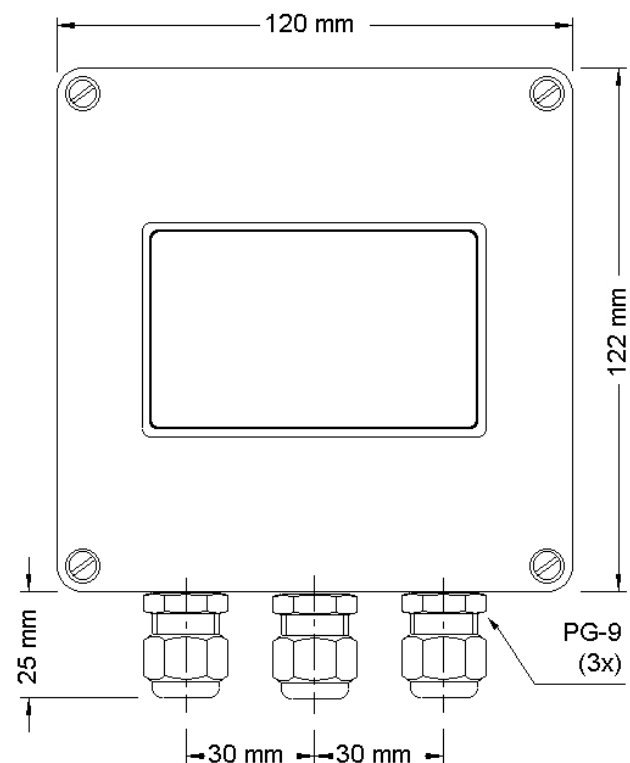
- PAH wind speed sensor
- PRV wind direction sensor
- temperature sensor
- hygrosensors with resistance output
- sensors with 0..100 mV or 0..1 Volt

The housing of the VM9 is of splash water tight IP-67 Makrolon which enables mounting in industrial or corrosive environments.

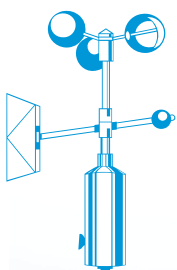


TECHNICAL SPECIFICATIONS

power supply	230 VAC, 50/60 Hz, 3,2 VA with short-circuit resistance VDE 0551 (on request other voltages available)	
connections	3 cable gland PG-9 and screw connections	
current output	4..20 mA, maximum external resistance is 500 Ohm 0 is at the mass	
voltage output	0..10 Volt 0 is at the mass, min. external resistance is 1000 Ohm the short-circuit resistance of the output is unlimited (on request 0..1 or 0..5 Volt)	
load	voltage output	1000 Ohm ..1 MOhm < 0,01 %
	current source output	internal resistance > 10
accuracy	linearity	0,02 %FS (VM9 S)
	temperature coefficient	0,02 %FS / °C
dimensions	122 x 120 x 55 mm	
model VM9 S	pulse input frequency	TTL level up to 200 Hz
model VM9R	input for resistance/potentiometer input for voltage, max. 10 VDC internal input resistance > 10 MOhm	



made to measure



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handelskade 76
2288 bg rijswijk
the netherlands

p.o.box 1111
2280 cc rijswijk
the netherlands

tel. +31 70 3070706
fax +31 70 3070938

www.wittich.nl
info@wittich.nl