

ALARM ANEMOMETER – MHV 117A

Features:

- DHV 116 digital wind speed sensor
- Measures wind speed in m/s, km/h or knots
- 2 digitally adjustable alarms
- Temporary or steady alarms
- Potential free relay outputs for each alarm
- Acoustic alarm indication
- IP 65 protected metal case



MHV 117A in its protective case

The MHV 117A measures wind, and can generate alarms at excess wind speed. It is intended to be used on cranes, cable cars, bridges, roads, etc., wherever strong winds can be potentially hazardous.

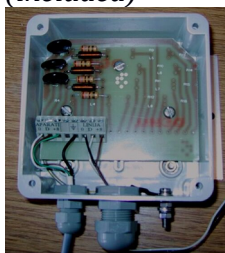
The MHV 117A consists of a DHV 116 wind speed sensor, junction box with cable and connector, and a MHV 117A electronic unit.

Both alarm levels can be set independently either for temporary or steady alarms. Each alarm has a potential-free relay contact.

DHV 116 sensor



Junction Box (included)



MHV 117 Control unit



Cable from sensor to junction box (included)

Cable from junction box to main unit (user supplied)

TECHNICAL DATA:

MEASURING

Measuring range:	0 m/s to 50 m/s 0 km/h to 180 km/h
Starting speed:	0.5 m/s
Accuracy:	+/- 0.5 m/s
Linearity:	+/- 0.5 m/s
Resolution:	0,1 m/s

ANALOG OUTPUTS

Voltage:	0 V to +5 V
Current:	4 to 20 mA
Accuracy and Linearity:	+/- 1.5 %

ALARM:

No. of channels:	2
Alarm level:	from 0 m/s to 50 m/s
Resolution for alarm levels:	0.1 m/s
Alarm indication:	acoustic, "Alarm" flashes on LCD
Output contacts (each channel):	Relay, (250V 50Hz 5A)

POWER SUPPLY:

AC Input power:	220V +/-10% ; 50Hz +/-10Hz; 5VA
AC Power consumption:	max 30mA on 220V
DC input power:	12V
DC Power consumption:	max 200mA on 12V

WIND SENSOR:

Wind speed transducer:	optoelectronic, stroboscope disc
Constant:	20 imp/m
Operating temperature:	-40C° to +50C°
Storage temperature:	-50C° to +60C°
Dimensions:	140 mm x 150 mm (D x H)
Mass:	0,5 kg

ELECTRONIC UNIT:

Operating temperature:	-40C° to +50C°
Storage temperature:	-50C° to +60C°
Dimensions:	200 mm x 300 mm x 90 mm
Mass:	3,2 kg
Protection level:	IP 65