



PAKA 5H25 V3

ANALOGICO RISCALDATO

ANALOGUE HEATED

4-20 mA



ISTRUZIONI D'USO E MANUTENZIONE

USE AND MAINTENANCE INSTRUCTIONS

CONFORMITÀ A DIRETTIVE E NORME

EN 61000-6-2:2001

EN 55022:2001, Class B

Temperatura di stoccaggio: -35°C / +80°C

Temperatura di funzionamento: -20°C / +60°C

Grado di protezione: IP65

Marcature: 

CARATTERISTICHE ELETTRICHE

Alimentazione	15...24 Vdc
Consumo con riscaldatore $t^a > 6^{\circ}\text{C}$ (+3°C)	<1.5 W
Media di consumo con riscaldatore $t^a < 6^{\circ}\text{C}$ (+3°C)	<17 W
Corrente Massima	1.8 A @ 24 Vdc
	1.2 A @ 15 Vdc
Uscita	Analogica (4-20 mA)
Impedenza massima collegabile	<600 Ω @ 24Vdc
	<300 Ω @ 15Vdc

MISURE

Gamma	3-120 km/h*
	3-180 km/h*
Velocità minima di partenza	8 km/h
Velocità massima misurabile	200 km/h
Precisione	1 km/h (3-15 km/h)
	3% (15-120 km/h)*
	3% (15-180 km/h)*

* In base alla versione

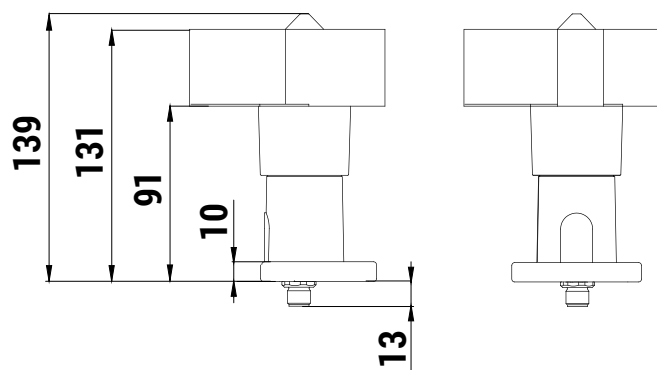
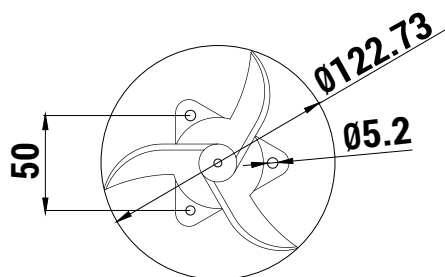
APPLICAZIONI

PAKA5H25 V3 4-20mA OUTPUT è stato progettato per applicazioni industriali quali: Viadotti, Strutture per parchi, Cannoni di innevamento, Solar Tracker, Gru a Torre, Gallerie, Piattaforme auto sollevanti, Sistemi di irrigazione, Serre, Stazioni sciistiche, Strutture autoportanti a pressione.

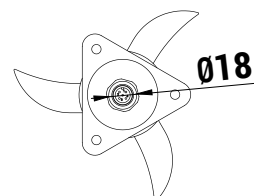
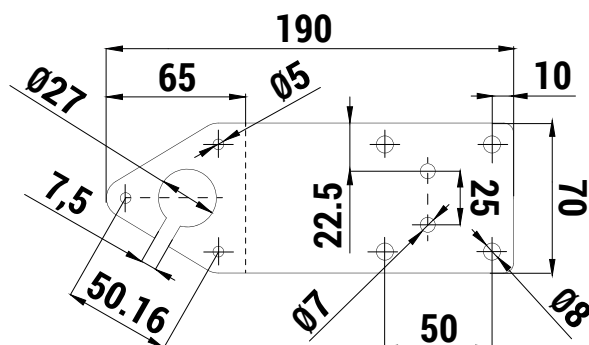
Questa versione è stata in particolar modo progettata per applicazioni a basse temperature (fino a -20°C).

La sua uscita può essere collegata a dispositivi con ingresso analogico come PLC, data loggers, 4-20mA display adatti a visualizzare la velocità del vento oppure programmare allarmi con valori di vento predefiniti.

DIMENSIONI DI INGOMBRO (mm)



Staffa opzionale

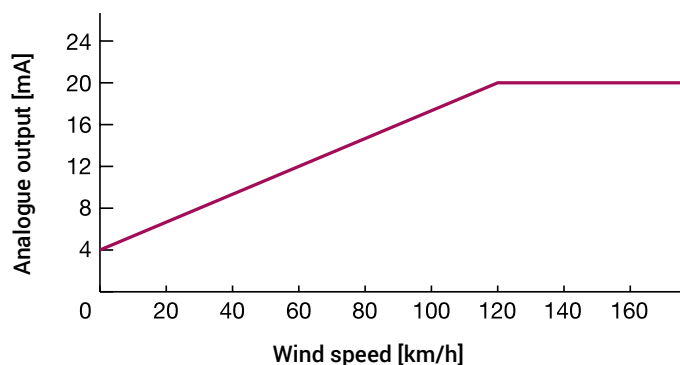


Piega verso l'alto di 90 gradi, lungo la linea tratteggiata.
Spessore 2 mm.

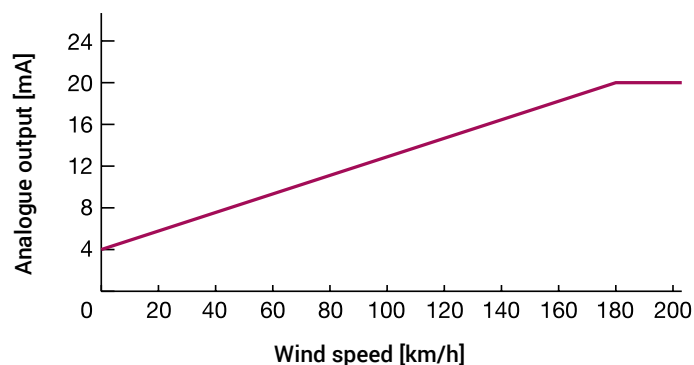
VELOCITÀ VENTO: RAPPORTO USCITA

Il segnale di uscita è proporzionale alla velocità vento:

4...20 mA = 0...120 km/h



4...20 mA = 0...180 km/h



FUNZIONAMENTO

FONDO SCALA: 120-180 km/h di velocità vento (vedere articoli).

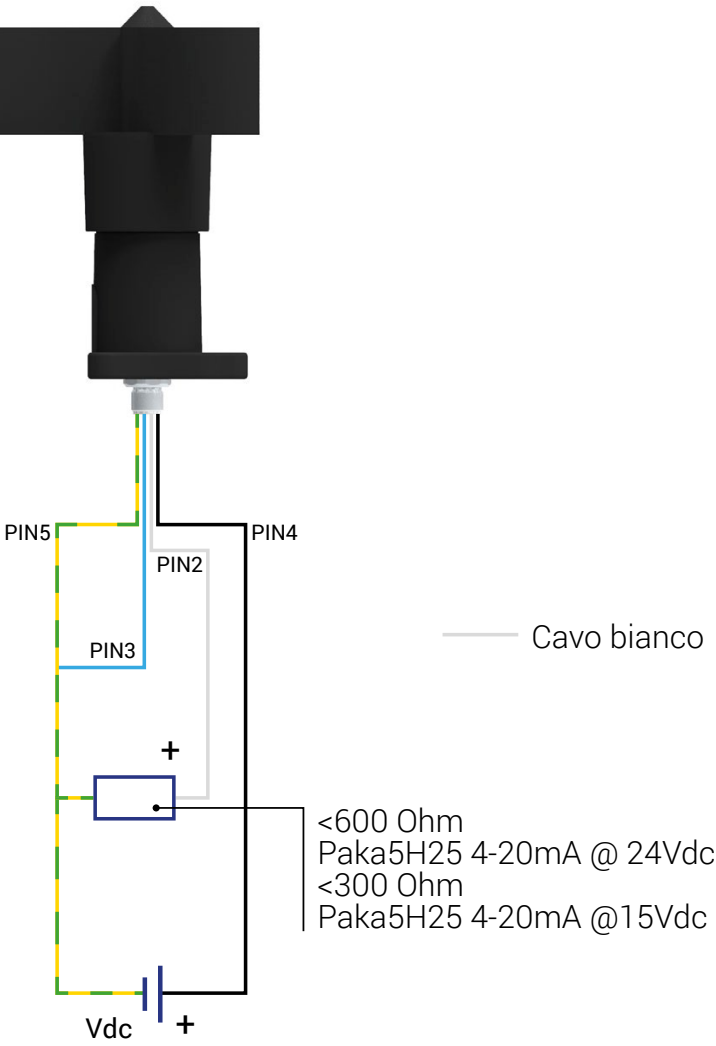
Uscita analogica 4-20 mA in funzione della velocità vento presente (vedere grafici).

Il Riscaldatore entra in funzione sotto i +6° C.

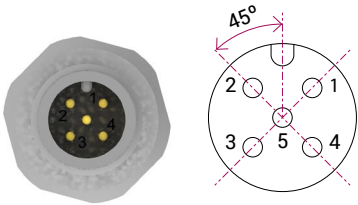
L'anemometro va posizionato verticalmente.

CONNESSIONI

Schema a blocchi



Connettore maschio M12



PIN	Descrizione	Colore cavo
1	NC	Marrone
2	4-20 mA output (+)	Bianco
3	4-20 mA output (-)	Blu
4	Riscaldatore (+)	Nero
5	Riscaldatore (-)	Giallo / Verde

Colori dei cavi riferiti al cavo fornito.
Cavo non incluso in ogni versione.
WM44-P non può alimentare il riscaldatore, è richiesta un'alimentazione esterna.

CONFORMITY TO DIRECTIVES AND STANDARDS

EN 61000-6-2:2001

EN 55022:2001, Class B

Storage temperature: -35°C / +80°C

Operational temperature: -20°C / +60°C

Protection degree: IP65

Markings: 

ELECTRICAL SPECIFICATIONS

Power supply	15...24 Vdc
Consumption with heater $t^a > 6^{\circ}\text{C}$ ($+3^{\circ}\text{C}$)	<1.5 W
Average consumption with heater $t^a < 6^{\circ}\text{C}$ ($+3^{\circ}\text{C}$)	<17 W
Maximum current	1.8 A @ 24 Vdc
	1.2 A @ 15 Vdc
Uscita	Analogica (4-20 mA)
Maximum connectable impedance	<600 Ω @ 24Vdc
	<300 Ω @ 15Vdc

MEASUREMENTS

Range	3-120 km/h*
	3-180 km/h*
Starting speed	8 km/h
Survival speed	200 km/h
Accuracy	1km/h (3-15 km/h)
	3% (15-120 km/h)*
	3% (15-180 km/h)*

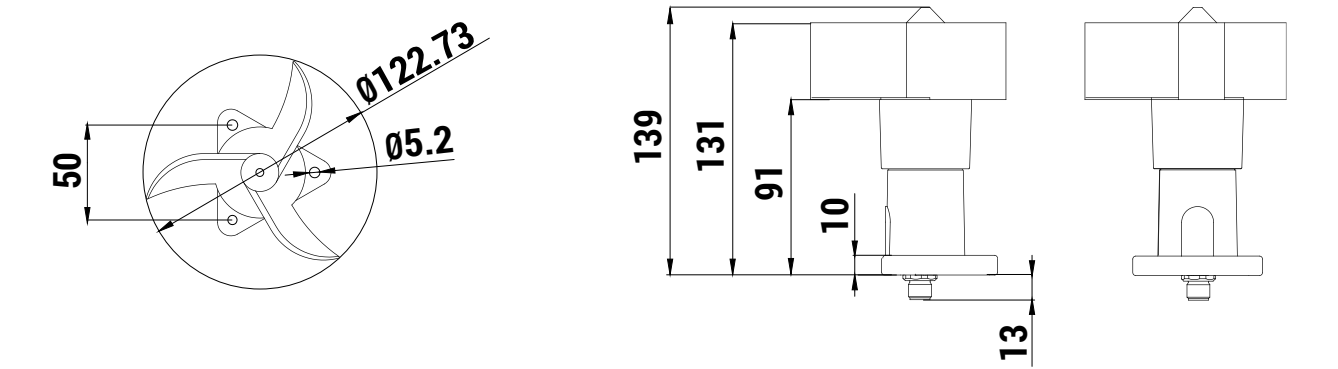
APPLICATIONS

PAKA5H25 V3 4-20mA OUTPUT has been designed for industrial applications: cranes, solar panels, wind turbines, weather stations...

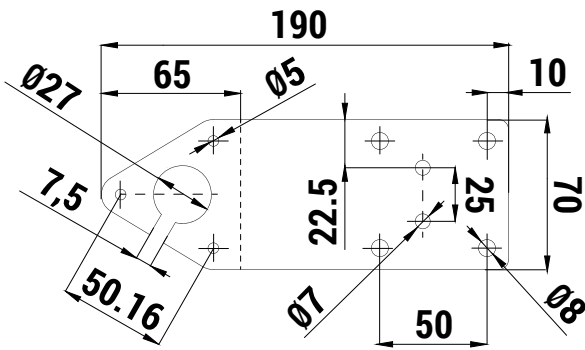
It is a version that has been specially designed to work at low temperatures (from -20°C).

Its output can be connected to devices with analogue inputs such as PLCs, dataloggers, 4-20mA displays to display the wind speed and/or programme alarms to predefined values or to obtain records during predefined periods of time.

OVERALL DIMENSIONS (mm)



Bracket (optional accesory)

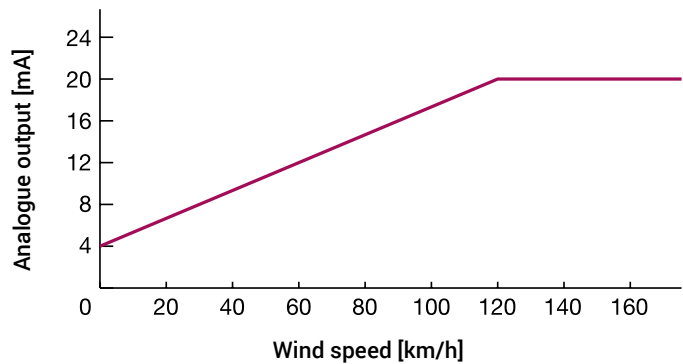


90-degree upward fold, along the dashed line.
2-mm-thick stainless steel.

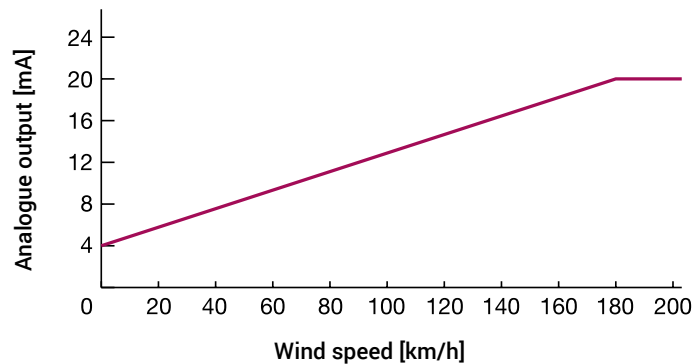
WIND SPEED: OUTPUT RATIO

The output signal is proportional to the wind speed:

4...20 mA = 0...120 km/h



4...20 mA = 0...180 km/h

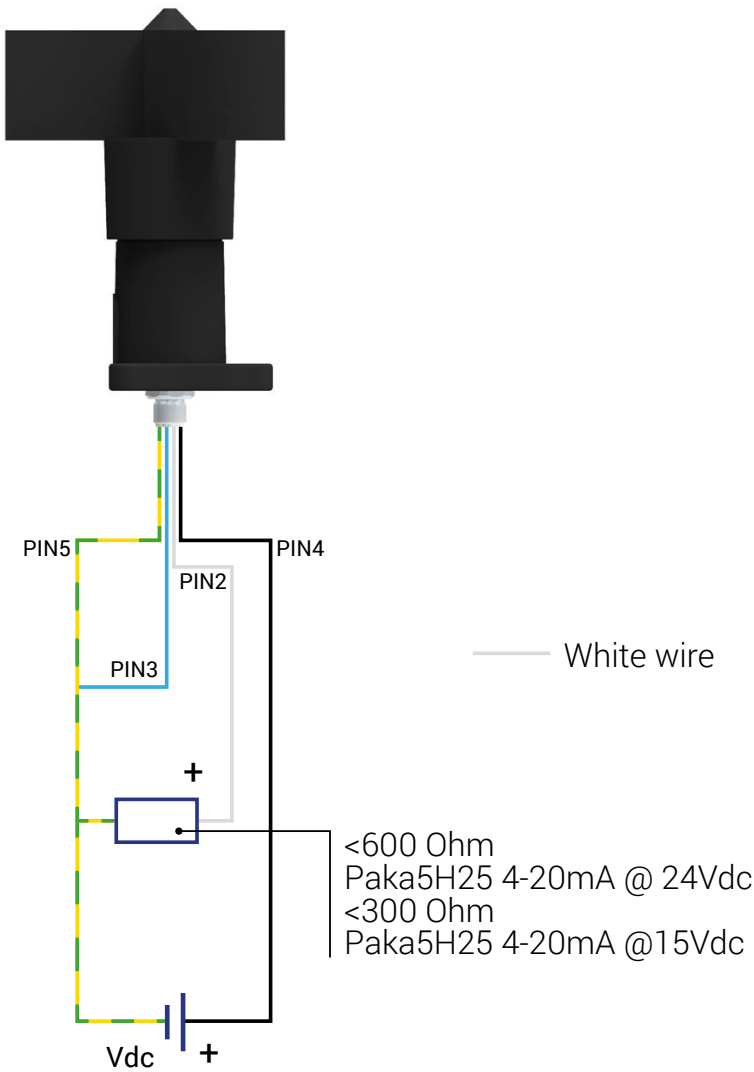


OPERATING

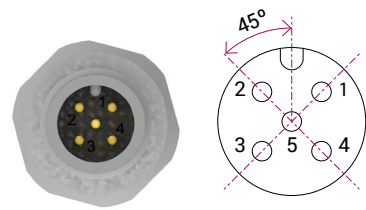
Survival speed: 120-180 km/h of wind speed. (see references)
It gives a 4-20 mA analogue output that depends on the wind speed. (see graphic)
The heater works from -20°C up to +6° C. Above this temperature, it switches itself off automatically to reduce the consumption.
The wind sensor must be fixed on a vertical position.

CONNECTIONS

Blocks diagram



M12 male connector



PIN	Description	Cable color
1	NC	Brown
2	4-20 mA output (+)	White
3	4-20 mA output (-)	Blue
4	Heater (+)	Black
5	Heater (-)	Yellow / Green

Wires colours referenced to the cable suppli.
Cable not included in any version.
WM44-P cannot supply the heater, an external power supply is required.



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