



# VR09-B

## Wheel speed sensor (Differential Hall Effect)

Maximum frequency

20 KHz

Distance to target

1 to 2.5 mm

Supply voltage

4 to 25 V

Supply current

15 mA

Output signal

NPN open collector

Output resistance

Needs a pull Up resistor

Max voltage on the output

25 V

LED indicator

Yes

Orientation

Straight or right angle  
(see drawing)

Sensitive element

Differential Hall Effect

Fixing hole

Diam 4 at 12 mm from sensor axis

Dimensions

25 x 9 x 9 mm

Material

Aluminium

Weight (without cable)

15 g

Protection

IP66

Vibration test

20 Gpp 5'

Shock

500 G

Operating temp

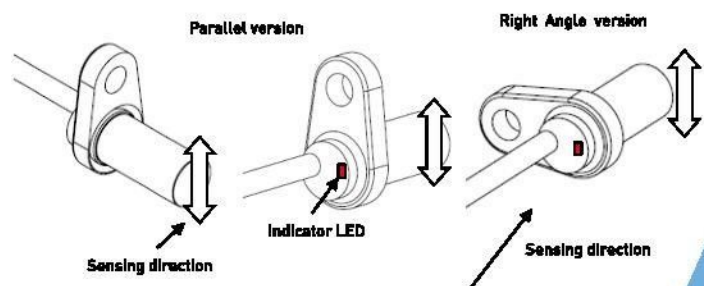
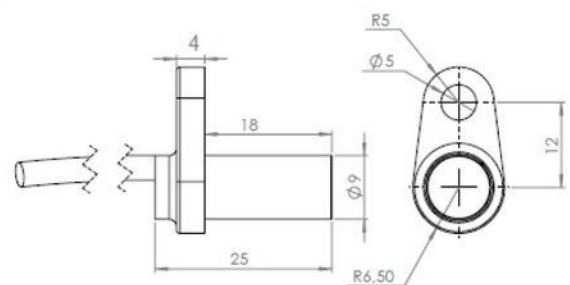
-50 to 180°C

Storage temp

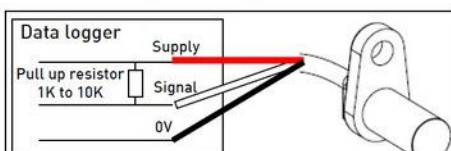
-50 to 150°C

Ordering ref ex : VR-09-B-RA  
VR-09-B-orientation

Parallel (P)  
Right Angle (RA)



Red Supply  
Black 0V  
White Signal  
Braid Connected to base



Electrical connection :  
If the data logger has no pull up Resistor, one must be added  
between supply (red) and signal (white) wires