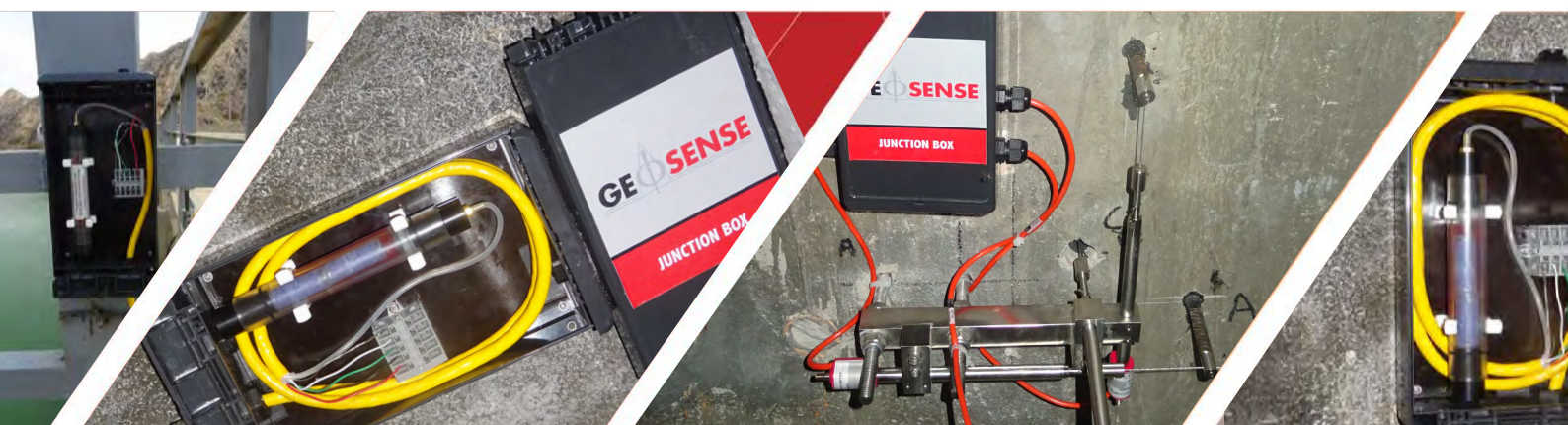


Junction Boxes

Geosense® Junction Boxes allow multiple sensor cables to be connected into one multi-core cable thus reducing the cost of cabling and installation



Junction Boxes

Overview



Geosense® Junction Boxes allow multiple sensor cables to be connected into one multi-core cable thus reducing the cost of cabling and installation.

Fitted with a series of four pole spring pressure connectors, they are quick and easy to wire and provide vibration-proof and maintenance-free connections, unlike traditional screw terminals.

The input and output connections are colour-coded for easy identification and the simple hinged quick-release catch lid makes access fast and simple.

Made from lightweight, corrosion resistant and tough ABS material with waterproof rating to IP67, they can be used in the harshest of environments associated with construction.

APPLICATIONS

- Joining multiple sensors to a single multicore cable
- Providing central location for manual readings
- Protecting sensors and cables from overvoltage protection

FEATURES

- Lightweight impact resistant ABS box
- Corrosion free
- Waterproof to IP67 rated
- Robust four pole terminal strips
- Easy & quick to wire
- Conductor sizes from 28-12 AWG
- Spring Pressure Connection Technology
- Vibration-Proof connections
- Maintenance-free connections
- Colour-coded glands for IN & OUT
- Simple hinged quick-release catch lid
- Up to 10 sensors can be connected



Junction Boxes

Specifications

| MODEL | INPUT SIZE | OUTPUT SIZE | NO OF 4 POLE CONNECTORS | NO OF SENSOR INPUTS* | MAX OUTPUT CONDUCTORS | DIMENSION (L X W X H) |
|-------|------------|-------------|-------------------------|----------------------|-----------------------|-----------------------|
| JB-1 | 1 x M16 | 1 x M16 | 1 | 5 | 5 | 113 X 80 X 60 |
| JB-2 | 2 x M16 | 1 x M20 | 2 | 10 | 10 | 113 X 80 X 60 |
| JB-3 | 3 x M16 | 1 x M20 | 3 | 15 | 15 | 231 X 125 X 60 |
| JB-4 | 4 X M16 | 1 X M20 | 4 | 20 | 20 | 231 X 125 X 60 |
| JB-5 | 5 X M16 | 1 X M20 | 5 | 25 | 25 | 231 X 125 X 60 |
| JB-6 | 6 X M16 | 1 X M20 | 6 | 30 | 30 | 231 X 125 X 60 |
| JB-7 | 6 X M16 | 2 X M20 | 6 | 30 | 30 | 231 X 125 X 60 |
| JB-8 | 7 X M16 | 1 X M20 | 7 | 35 | 35 | 231 X 125 X 60 |
| JB-9 | 7 X M16 | 2 X M20 | 7 | 35 | 35 | 231 X 125 X 60 |
| JB-10 | 8 X M16 | 2 X M20 | 8 | 40 | 40 | 271 X 170 X 60 |
| JB-11 | 9 X M16 | 1 X M20 | 9 | 45 | 45 | 271 X 170 X 60 |
| JB-12 | 9 X M16 | 2 X M20 | 9 | 45 | 45 | 271 X 170 X 60 |
| JB-13 | 10 X M16 | 1 X M20 | 10 | 50 | 50 | 271 X 170 X 60 |
| JB-14 | 10 X M16 | 2 X M20 | 10 | 50 | 50 | 271 X 170 X 60 |

* Number of sensor inputs is based on a maximum of 5 conductors typically for vibrating wire as follows:

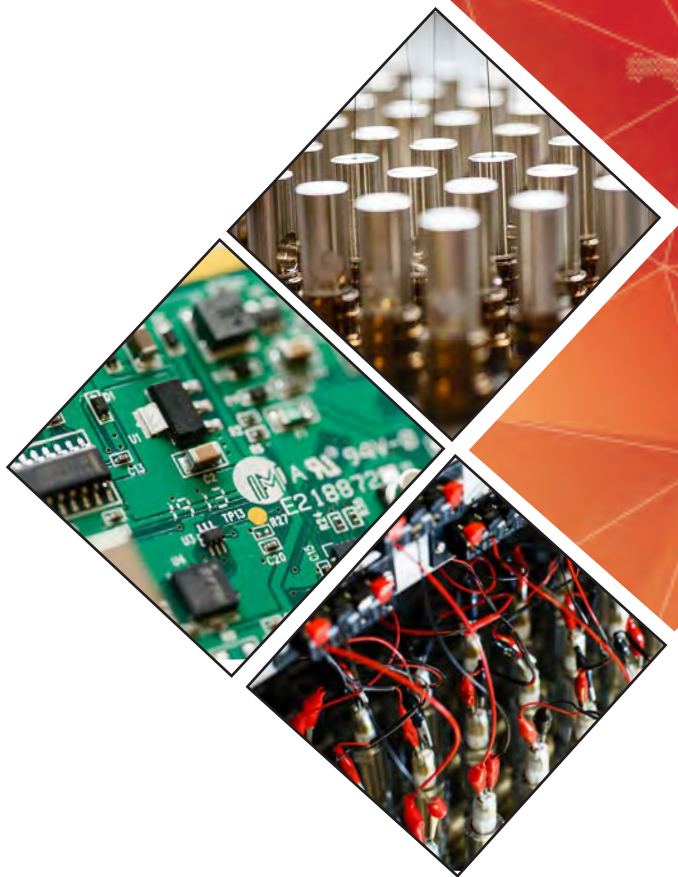
1 - V+ (vibrating wire)

2 - V- (vibrating wire)

3 - T+ (temperature)

4 - T- (temperature)

5 - S (shield)



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