



**RUGGED CONSTRUCTION**  
**VERSATILE DESIGN**

Specifically designed and accessorized for fiber-optic sensing installation.

### Description

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The connection box is used to connect the sensors to the main multi-fiber cable. The connection box contains the mating adapters required to mate the two male fiber optic connectors installed at the end of the sensor cables and at the end of the multi-fiber cable or to manually connect the sensors to the reading unit.

Connection boxes are available in four standard sizes. Other sizes are available on request. The small version can accommodate 1 sensor, the other versions can accommodate up to 10-24 and 36 sensors. The connection boxes for 24 and for 36 sensors can also accommodate SOFO splitters and MuST couplers.

If the passive part of the sensor has excessive length it is possible to coil the extra length in the largest box.

### Key Features

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- Mating adapter support for sensors mate
- Splitter / coupler installation
- Ideal for harsh environments
- Sensor gland nut compatible

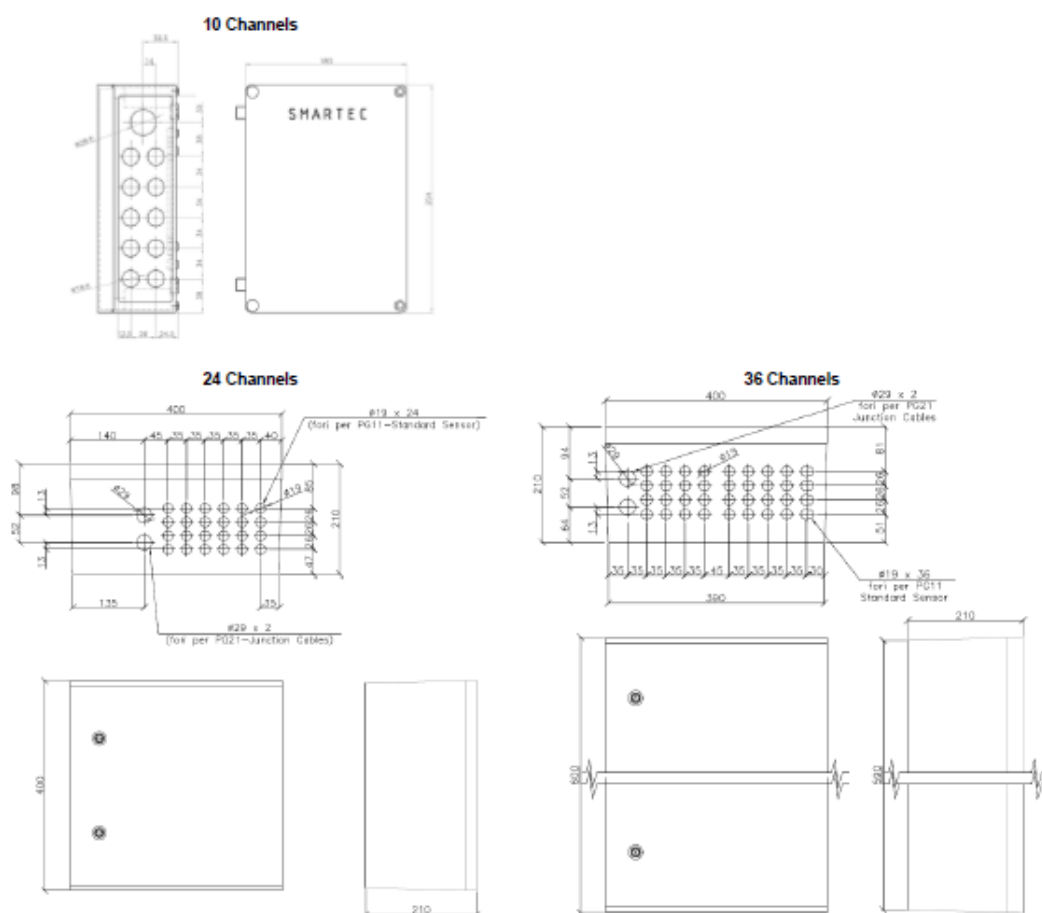
### Applications

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- Bridge Structural Health Monitoring SHM
- Building monitoring
- Dam instrumentation
- Tunnel deformation monitoring
- Pipeline local deformation analysis

### Technical characteristics

	10 Channels	24 Channels	36 Channels
Material:	Fiberglass-reinforced unsaturated polyester, IP66	Fiberglass-reinforced unsaturated polyester, IP66	Fiberglass-reinforced unsaturated polyester, IP66
Dimensions: (height, width, depth)	25 x18 x9 cm	40x40 x20 cm	60x40 x20 cm
Weight:	~4 Kg	~8 Kg	~11.5 Kg
Multifiber cable connections :	1	2 (more on request)	2 (more on request)



### Ordering information

#### 40.1013 Connection Box

#### Options:

- Number of channels: 10, 24 or 36
- Option: all the connection boxes grant IP 65 protection. Additional protection can be reached embedding in grout or filling with foam.
- Option: Security lock key (only for 24Ch and 36 Ch connection boxes).