JUNCTION BOXES
AND
SUNSHADES
**Description**

The SITES S.r.l. enclosure system winterizes process instruments and protects them from corrosion and mechanical abuse.

A full range of enclosures sizes are available to accommodate single and multiple instrument requirements.

Enclosures can be combined with a wide selection of heavy-duty mounts, brackets and heaters to create customized packages that suit each application.

Accessible from every angle

- Ideal for pressure, differential pressure and case type instruments in combination with manifolds, air sets, and purge meters.
- Top-hinged for easy access to process instruments from the front, top, or either side.
- Available in four sizes.
- Standard lid-support bracket keeps the lid open.

Common options include mounting kits, heaters and factory-installed tempered glass windows.
APPLICATION

The junction box, sunshade and the protections outlined in this catalog are the solution for the protection of process instrumentation from the weathering, industrial environments and damage mechanics.

OUR PRODUCTS ARE:

- Single Junction Boxes
- Double Junction Boxes
- Triple Junction Boxes
- Single Protection Tool
- Double Protection Tool
- Protection for Transmitters
- Soft Cover
The junction boxes are designed to contain flow transmitters, level and pressure, ensuring total access to the instrument, to the manifold and accessories thereof; also provide protection to the instrumentation from:

- Weather Conditions (humidity, rain and dust)
- Corrosion (industrial)
- Mechanical Damage
- Freezing

To protect against freezing we propose different solutions:
1. Internal insulation with polyurethane coated aluminum foil with a thickness of 20 mm.
2. Safe area electric heater
3. Electric heater for hazardous area
4. Coil for steam heating
5. Internal insulation with polyurethane coated aluminum foil with a thickness of 20 mm, with electric heater for hazardous area
6. Internal insulation with polyurethane coated aluminum foil with a thickness of 20 mm, with electric heater for safe area
7. Internal insulation with polyurethane coated aluminum foil with a thickness of 20 mm, with coil for steam heating
INSTRUMENT PROTECTION BOXES
CPS 100 – CPS 150 – CPS 200 – CPS 300

CAN INCLUDE INSTRUMENT WITH MANIFOLD AND RELATED OPTIONS

The box is made of fiberglass reinforced polyester with a thickness of 5 mm, gray RAL 7035. Constituted by the union of a fixed lower half-shell with a mobile upper half-shell, the opening is maintained in a safe manner with a hinge in stainless steel, the closure may be made (only on a voluntary basis) acting on it.

The neoprene gasket mounted on the bottom ensures a perfect tightness and impermeability to liquids and dust.

The closing of the Junction Box is provided by two stainless steel hooks mounted on the side.

The excellent finish material has the following characteristics:
Degree of protection IP-65
Resistance to shock
Self-extinguishing
No absorption of hydrocarbons
Operating temperature -50 °C: +80 °C
INSTRUMENT PROTECTION BOXES

CPS 100

FRONT VIEW

135
328.5
195

SIDE VIEW

500
403
457.5

TOP VIEW

ISOMETRIC VIEW
INSTRUMENT PROTECTION BOXES

CPS 200

FRONT VIEW

SIDE VIEW

TOP VIEW

ISOMETRIC VIEW
The CPS 101 and 201 are ideal for protecting multiple-instruments (2 or 3 instruments). The boxes are made in fiberglass reinforced polyester (GRP) with a thickness of 5 mm, the material used, which is self-extinguishing and UV resistant, is also particularly suitable for aggressive and corrosive environments.

The instrument enclosure is constituted by the union of two-parts with straight, horizontal parting line between the upper and lower part, this type of construction allows for maximum accessibility during installation or maintenance of instruments and manifolds.

The other accessories are:

- Hinges and latches to ensure a tight fitting lid and help prevent the ingress of dirt and moisture.
- Stainless steel device ensure the opening in a safe manner.
- Neoprene gasket mounted on the bottom ensures a perfect tightness and impermeability to liquids and dust.
INSTRUMENT PROTECTION BOXES

GCS 80 – GCS 100

CAN INCLUDE INSTRUMENT AND RELATED OPTIONS WITH MANIFOLD

The box has the same technical characteristics and protection of the CPS with the advantage of having the internal accessibility of 100%.

The box is made of fiberglass reinforced polyester with a thickness of 5 mm, gray RAL 7035. Is constituted by the union of a lower fixed with a wrap top is completely removable.

The neoprene gasket mounted on the bottom ensures a perfect tightness and impermeability to liquids and dust.

The closing of the cassette is provided by two stainless steel hooks mounted on the side.

The excellent finish material has the following characteristics:
- Degree of protection IP-65
- Resistance to shock
- Self-extinguishing
INSTRUMENT PROTECTION BOXES

GCS 80 – GCS 100

**GCS 80**

**GCS 100**
SUNSHADES

PS 100 – PS 200

SUNSHADES ARE AN ECONOMIC AND EFFICIENT PROTECTION FROM THE SUNRAYS DIRECT OVER INSTRUMENTS, PROTECTION FOR THE INTENSE RAINFALL AND THE ACCIDENTAL FALL OF MATERIALS.

The protection is built in fiberglass reinforced polyester with a thickness of 2.5 mm in gray RAL 7035. Their installation can be performed with appropriate accessories:

- Pipe 2"
- A wall

The excellent finish material has the following characteristics:

- Resistance to shock
- Self-extinguishing
- No absorption of hydrocarbons
- Operating temperature -50 °: +87 °

PS 100

PS 200
SUNSHADES

SPS 100 – SPS 150 – SPS 200 – SPS 300

This type of sunshades are made with half of instrument protection box, this sunshade is extracted from CPS instrument protection box.

The enclosure are made in fiber glass reinforced polyester thickness to 3 mm in standard colour light grey RAL 7035.

A small canopy with a bracket that allows it to attach directly onto the body of a transmitter or mounting to the pipe stand or steel construction. Sunshield or or commonly called sunshades are different type of instrument protection against:

The excellent finish material has the following characteristics:

- Sun light (overheating)
- Dirt accumulation
- Exposure to atmospheric conditions
- Mechanical damage
SUNSHADES
SPS 300
SOFT COVER

SOFT COVER IS DESIGNED FOR EACH CLIENT ALLOWS THE EQUIPMENT FOR HEAT INSULATION & PROTECT FROM FREEZING.

IS MADE OF CANVAS AND CERAMIC FIBER FABRIC AND IS PLACED IN A LAYER OF MINERAL WOOL INSULATION.

The excellent finish material has the following characteristics:

- Resistance to shock
- Self-extinguishing
- No absorption of hydrocarbons