

SAFE LINK

Pre-Assembled Instrument Hook-ups



With the SAFE LINK program, INTERTEC offers a turnkey solution for the protection of field instrumentation and analytical equipment. The program includes all steps from the design of the hook-ups or cabinets, the configuration, the properties of the heating or cooling equipment (if necessary) and the pre-assembly at INTERTEC.

Designing an environmental protection system is a complex task with many small details that have to be taken into account. SAFE LINK allows you to focus on your core competencies and reduce the effort on front end engineering, as well as procurement and installation costs. It provides an immediate payback through reduced TCO's and further savings throughout the system's lifecycle thanks to low maintenance construction materials.





All enclosures and shelters are available in a variety of custom shapes and sizes. An experienced team of engineers and CAD designers works in close collaboration with the client to match the enclosures to the equipment and fit them in the available space.



Pre-assembled and fit for site?

SAFE LINK solutions offer protection for a broad spectrum of applications like pressure (P), differential pressure (dP), level or on-line measurement, as well as remote/directly mounted installations.

The enclosures are available in a wide range of field-proven designs, components and accessories to guarantee the best solution for each application. Due to the modular design of the SAFE LINK items, numerous configurations can be realized with standard materials.

Additionally, our enclosures can be easily adapted to specific applications where difficult conditions such as freezing, condensation, corrosion, dust, maintenance of a constant temperature, explosion protection, etc. have to be considered; even for extreme ambient conditions.

An INTERTEC solution is resistant against a host of environmental influences and hazards, such as salt spray, sour gas, high wind velocities, UV exposure, sand storms or high-pressure blasts. Depending on the climate in which they are deployed, their insulation as well as custom-tailored heating and cooling equipment provide protection against extreme cold or extreme heat.

The heaters (convection or conduction, constant power or self-limiting) and coolers are sized to fit the enclosure to ensure an adequate operating temperature for the installation regardless of outside temperatures.



The cabinets and boxes can be fully prepared for any provided equipment, like analyzers for sampling conditioning systems.



The workmanship of our experienced technicians guarantees the best possible quality of the instrument hook-up pre-assemblies.

Why GRP?

INTERTEC was founded in 1965 with the idea of using high-tech long fibre reinforced composites for protective cabinets and enclosures. GRP is a rigid, yet lightweight glass-fiber reinforced polyester with many inherent benefits for industrial and outdoor applications.

- Same strength as steel with less than half the weight
- Exceptional thermal insulation
- Condensation proof
- Leakage proof
- Corrosion resistant
- UV-resistant
- Retains excellent structural integrity and stable internal temperature between -65°C and +80°C

In response to the corrosion problems with sheet metal enclosures commonly used for field-based sensors, INTERTEC started manufacturing enclosures using glass reinforced polyester (GRP)—with additional composite layers to add insulation and other protective properties. Thanks to its stability and resistance, GRP enclosures enjoy a comparatively long service life of over 30 years with little to no maintenance required.

The properties and designs of our solutions can be tailored to every application. Options include:

- Protection class up to IP68
- HVAC
- IECEx and national standards
- Protection against extreme cold or extreme heat
- Protection against storms (up to 240 km/h), shock waves or earthquakes

INTERTEC offers more than you can see.

- Thermally insulated cabinets, enclosures, covers and shelters
- Enclosed instrument hook-ups
- Analyzer houses
- Fire protection boxes
- Heating, ventilation, cooling

- Quality engineering
- Proven designs
- CAD
- Calculations
- Easy integration
- Reliable and long-lasting operation of electronics
- Fire protection
- Explosion protection
- Comprehensive documentation
- Relevant certification
- Procurement & logistics
- Low total cost of ownership

Since its founding over 50 years ago, INTERTEC has grown to a worldwide engineering and sales organization with locations in Germany, Canada, Russia and the United States. To provide technical solutions for grassroots projects and existing MRO markets, INTERTEC has a sales partner network spanning 31 countries around the globe.

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