

Enclosures

dataTaker®

Intelligent Data Logging Products

- Rugged All Weather Designs
- Suitable for Harsh Environments
- Sized for DT80 Range and DT800



dataTaker Enclosures

dataTaker enclosures give you the flexibility to install your dataTaker system in a harsh or otherwise unsuitable environment by providing protection against external conditions such as water, dust, and accidental damage. These enclosures are suitable for all dataTaker systems and can be used for, industrial, weather proof or portable applications. There are three standard types to choose from – one metal industrial enclosure and two plastic portable enclosures.

All of the enclosures provide mounting arrangements for the supported dataTaker models. Depending on the size of the logger and the size of the enclosure you can also fit various other devices inside the case such as external batteries, power supplies, modems, displays etc. Each of the enclosures includes a metal base plate that has screw holes designed to fit various models of dataTaker data loggers. A drill and tap is also provided to allow you to customize the position of the screw holes for the logger and/or other devices.

Portable Enclosures

The dataTaker Portable Enclosures are light weight, extremely tough, water tight enclosure specifically designed for use where portability is important and physical conditions are extreme. Contoured and padded handles allow the enclosures to be easily carried. An air valve is provided to allow air pressure equalization at high altitudes. These cases are basically built to take just about anything, being able to withstand a 2 meter drop onto concrete, and they can be used under water at depths of up to 1 meter without leaking.



Industrial Enclosure

The industrial enclosure is generally suitable for fixed installations, and can be used indoors or outdoors. It provides a basic, functional and protective housing with an aesthetic appearance, yet heavy duty construction. The body and door are made of sheet steel, covered inside and out with a tough, inherently corrosion resistant powder coating. The door has a polyurethane seal, which provides protection against the ingress of dust and water rated to the International Standard IP66 or the American NEMA 4.



Specifications

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(PROPE)



(PROPE-LARGE)



(PROSIE)

Portable Enclosures Specifications

Construction

The enclosures are a clamshell design, constructed of molded black ultra high impact ABS plastic with a full length stainless steel hinge. The lid is sealed by a silicone rubber o-ring, and held closed by two sturdy venting latches that automatically equalize pressure differential inside the case when opened and seal the case against gas exchange when closed. Two padlock loops are provided to secure the contents.

Internal Mounting Frame

The portable enclosures are supplied with a universal mounting frame. The frame is made of steel finished with a durable powder coating. A *dataTaker* data logger can be mounted to the frame easily using the screws provided. The frame sits inside the enclosure case, and is held tightly in place when the lid is closed. The frame can be lifted out of the enclosure to provide easy access to the screw terminals and connectors of the *dataTaker* data logger. Cable entry into the case is provided by the user via cable glands or water proof connectors as appropriate.

Physical Dimensions

Part Number	Length (mm)	Width (mm)	Depth (mm)	Weight (kg)
PROPE	355	260	155	3.9
PROPE-LARGE	472	368	196	7.6

Capacity

The PROPE-LARGE enclosure suits all *dataTaker* DT80, DT85, GeoLogger range and DT800 data loggers. The PROPE suits only the *dataTaker* DT80, DT80G and DT800 data loggers. Other devices such as batteries, power supplies, modems and displays may also be mounted inside the enclosure depending on space. A mounting kit is included which contains a M5 drill and tapping tool for custom mounting positions.

Protection Rating

The portable enclosures provide protection against the entry of dust and water even when submersed for short periods of time at depths of up to 1 meter.

Industrial Enclosures Specifications

Construction

The industrial enclosure is constructed of steel, which is corrosion protected and powder coated with a textured finish. The door has a polyurethane seal, with an opening for easy access to the inside of the enclosure, and a cam latch with removable handles. Key locks are optionally available. The enclosure has a protective gutter around the door opening to prevent the ingress of dirt and water when the door is opened.

Physical Dimensions

Part Number	Length (mm)	Width (mm)	Depth (mm)	Weight (kg)
PROSIE	400	200	120	4.5

Capacity

The Industrial enclosure suits only the *dataTaker* DT80, DT80G and DT800 data loggers. Other devices such as batteries, power supplies, modems and displays may also be mounted inside the enclosure depending on space. A mounting kit is included which contains a M5 drill and tapping tool for custom mounting positions.

Installation

The enclosure can be surface mounted on walls or panels, or directly on poles or masts. It has a custom base plate for mounting the data logger and other accessories

Protection Rating

The enclosure is rated to IP66 or NEMA4, protecting against significant entry of dust, and of water from low pressure nozzles.

Ordering

Enclosure	Part Number
Industrial	PROSIE
Small Portable	PROPE
Large Portable	PROPE-LARGE



(PROPE-LARGE)

Image illustrates the DT80 data logger inside the large portable enclosure

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Warranty: All non Datataker manufactured products are covered by original manufacture's warranty.
Quality Statement: Datataker operates a Quality Management System complying with ISO9001:2000. It is Datataker's policy to supply customers with products which are fit for their intended purpose, safe in use, perform reliably to published specification and are backed by a fast and efficient customer support service.
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