

### dataTaker Enclosures

- Rugged All Weather Designs
- Suitable for Harsh Environments
- Wall, Pole, Mast Mounted or Portable
- Customised Sizing
- Factory Installed Panel Mount Display Available
- IP67 and NEMA6 Protection Ratings Available
- For DT50, DT500, DT600 and DT800 Systems

#### 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 four standard types to choose from – three metal industrial type enclosures and one plastic portable type.

#### Industrial Enclosures

Industrial enclosures are generally suitable for fixed installations, and can be used indoors or outdoors. They provide a basic, functional and protective housing with an aesthetic appearance, yet heavy duty construction. The body and door are made of 1.25mm - 1.75mm 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. The door hinges are designed such that the door can be opened out to 200°, which enables easy access to the interior. A variety of locks are also available, including the standard generic type and key lock types.

#### Easy Mounting

These enclosures come standard with an internal removable base-plate allowing easy installation and removal of dataTaker equipment, and are supplied with all necessary mounting hardware to allow quick and easy installation onto a wall or panel. Mounting onto a pole or mast is also possible. A threaded stud is welded to the inside of the body to allow a proper connection to mains earth.

Two of the enclosures have a removable gland plate on the bottom wall of the body of the enclosure, to allow easy drilling of holes for cable glands.

The dataTaker Panel Mount Display, which connects to the DT50, DT500 and DT600 Series dataTakers, can be factory installed into any enclosure by special order.

For your unique application, contact your nearest Datataker office or local dealer.





## Industrial Enclosures Specifications

The industrial enclosures are suited to applications where *dataTaker* systems and accessories need to be permanently located in harsh environments and protected from water, dust or mechanical damage. Three sizes are available:

Small Industrial Enclosure	SIE-500 / SIE-800
Large Industrial Enclosure	LIE-500 / LIE-800
Small Industrial Cabinet	SIC-500 / SIC-800

### Construction

The industrial enclosures are constructed of 1.25mm sheet steel, which is corrosion protected and coated with a baked enamel finish.

The doors have a polyurethane seal, opening 200° for easy access to the inside of the enclosure, and a cam latch with removable handles. Key locks are optionally available. The enclosures have a protective gutter around the door opening to prevent the ingress of dirt and water when the door is opened.

### Physical

The dimensions, weight and capacity of the three standard enclosures are as follows:

Dimension	SIE	LIE	SIC
Length (mm)	400	300	600
Width (mm)	200	380	380
Depth (mm)	120	155	210
Weight (kg)	4.5	7.0	15.0

### Capacity

The capacity of each enclosure is defined below in terms of *dataTaker* Units, where one *dataTaker* Unit is equivalent to any *dataTaker* data logger or any Channel Expansion Module:

- SIE-500: one *dataTaker* Unit plus one 4Ah gel cell or one 17Ah alkaline battery
- LIE-500: two *dataTaker* Units plus one 4Ah gel cell or one 17Ah alkaline battery
- SIC-500: three *dataTaker* Units plus up to 2 4Ah gel cells or up to 2 17Ah alkaline batteries

### Installation

The enclosures can be surface mounted on walls or panels, or directly on poles or masts. They have a custom gear plate for mounting the *dataTaker* and other accessories.

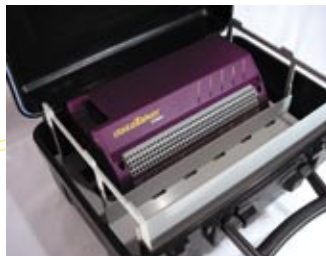
### Cable Entry

The LIE-500 and SIC-500 enclosures have a gland plate located in the bottom wall of the body for cable entry. The SIE-500 has no gland plate, and cable entry is directly through any wall.

Cable entry is completed by the user by drilling holes and fitting cable glands as appropriate to each application.

### Protection Rating

The enclosures are rated to IP66 or NEMA4, protecting against significant entry of dusts, and of water from low pressure nozzles.



## Portable Enclosure

The *dataTaker* Portable Enclosure is a light weight, extremely tough, water tight enclosure specifically designed for use where portability is important and physical conditions are extreme. A contoured and padded handle allows the enclosure to be easily carried, and an air valve is also provided to allow air pressure equalization at high altitudes. This case is basically built to take just about anything, being able to withstand an 800kg stacking load without denting, warping or bending, and can be used under water at depths of up to 3 meters without leaking.

The Portable Enclosure is supplied with a universal mounting frame. This frame is made of steel finished with a durable white powder coating. It has a removable storage tray that can be used for storage or for mounting of switches and connectors. A *dataTaker* can be mounted to the frame easily using screws provided. The frame sits inside the enclosure case, and is held tightly in place when the lid is closed. Cable entry into the case is provided by the user via cable glands or water proof connectors as appropriate.

The *dataTaker* Portable Enclosure and chassis with a DT500 *dataTaker* fitted have been drop tested from 3 meters onto concrete, the result being that no significant damage was detected.



## Portable Enclosure Specifications

### Design

The enclosure is a clamshell design, constructed of moulded black ABS plastic with a full length stainless steel hinge. The lid is sealed by a neoprene gasket, and held closed by two sturdy latches that can be fitted with padlocks.

### Physical

Length 355mm, width 260mm, depth 155mm  
Weight 3.5kg with mounting frame.

### Capacity

The portable enclosure houses one *dataTaker* data logger, and one 4Ah gel cell or 17Ah alkaline battery.

The logger and battery are mounted on a supporting frame that sits inside the enclosure, and is held in place by the enclosure lid when closed. The frame can be lifted out of the enclosure to provide easy access to the screw terminals and connectors of the *dataTaker*.

The *dataTaker* Panel Mount Display can be factory installed into the lid of the portable enclosure by special order.

### Cable Entry

The portable enclosure is normally used with its lid open and cable entry direct to the screw terminals of the *dataTaker*. Alternatively, cable entry can be through holes or cable glands installed by the user into the sides or the lid.

### Protection Rating

The portable enclosure is rated to IP67 and NEMA6, protecting against the entry of dusts and of water even when submersed for short periods of time.

## Options

- CEM Mounting Kit AS1072
- Key locks for industrial enclosures
- Mounting lugs for industrial enclosures
- Installation of Panel Mount Display to order
- Installation of cable glands to order

## Ordering

Small Industrial Enclosure	SIE-500 / SIE-800
Large Industrial Enclosure	LIE-500 / LIE-800
Small Industrial Cabinet	SIC-500 / SIC-800
Portable Enclosure	PE-500 / PE-800

**dataTaker®**



**dataTaker**

Certified to ISO9002



TOTAL QUALITY COMMITMENT

*dataTaker* is a registered trademark of DataTaker Pty Ltd.

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