



# Soil Testing

It is particularly important that only de-aired water is used in the Pore Pressure measurement system. Any dissolved air in the water leads to error in measurement of Pore Pressure, particularly at low pressure.

## Salient Features :

- Fully Microprocessor Controlled
- Real Time clock Function included
- Oil Free Vacuum pump
- The unit is fully automatic and shut itself off when the de-airing program is complete

It is compact self contained unit, will de-air quickly and efficiently reduce levels of dissolved oxygen, acceptable for geotechnical test methods.

Air is removed from the water by a vacuum system which continuously circulates the water in the tank.

The unit is supplied with Perspex Water Container which will hold a maximum of 15 ltr of water. Input and output lines are fixed with 4mm (approx.) and 6mm (approx.) ID of plastic tubing respectively.

Suitable for operation on 220 V, 50 Hz, Single phase, AC Supply.

## Ordering Information :

**AIM 097-1** De-Aired Water Apparatus

## Aimil Data Acquisition cum Datalogging System

AIM 101

The Aimil Data Acquisition cum Datalogging System has the following features:

- Robust, stand alone data logger with 16 bit resolution and inbuilt LCD display.
- Key pad for Datalogger Configuration.
- Inbuilt Real Time Clock for real time operation & display in stand - alone mode.
- Configurable Windows Based Software.
- Capable of displaying different parameters in different channels simultaneously.
- Peak Hold Facility (optional).
- Power supply – 230V, 50Hz as standard or 12V DC on customer request.
- Maximum of 4 analog channels.
- Maximum Input Voltage:  $0 \pm 2.5$ ,  $0 - \pm 2.5$ V.
- Accuracy: 0.1% of full scale.
- Internal storage capacity of 2MB.
- Can store direct to PC.
- RS 232 communication.

(A serial to USB converter can be provided on request, at additional cost)

## Note:

1. If ordered as part of an outfit which contains up to 3 sensors (LVDT, Load and Pore Pressure), the signal conditioning cards will be inbuilt in to the box.
2. If ordered stand alone, 4 analog inputs without signal conditioning cards will be provided.

## Ordering Information :

**AIM 101** Aimil Data Acquisition System



AIM 101