

## INTRODUCTION

**Logbox-DA** is a dual input data logger which accepts digital signals in one channel and analog voltage or current signals in the other channel.

Typical applications are fluid flow and pressure monitoring when connected to pulsed signal flowmeters and linear output pressure transmitters.

Wireless communication and data transfer can be easily achieved between **LogBox** and a Palm PDA or to a PC via the handy infrared **IR-LINK 3** connected to a USB port.

Its sturdy water proof enclosure provides full performance in the most demanding applications.



## CONFIGURATION

**LogChart II** software allows for logger configuration, recorded data retrieval, plotting and historical analysis and exports data to spread sheets.

Infrared communication to a PC is achieved by using the interface **IrLink 3** connected to a USB port (RS232 is optional).

Configuration, data retrieval and analysis can be also done by using a convenient Palm OS compatible PDA through its **IrDA** interface. This reduces cost and dramatically increases portability.

Data downloaded from multiple **LogBox** units to a Palm can be later transferred and synchronized to a PC by means of the native Palm sync tool.

Once the data are transferred to a PC they can then be better visualized and exported by the **LogChart II** software.



## SPECIFICATIONS

- Input 1: voltage pulse signal (NPN or PNP up to 4 KHz) or dry contact (up to 20 Hz);
- Input 2: 0 to 20 mA, 0 to 10V or 0 to 50 mV, internally selectable;
- Input 2 resolution: 13 bits;
- Input 2 accuracy: 0.2% of input full scale;
- Intervalo de contagem e fator de escala para a entrada 1 totalmente configuráveis;
- Launch options: immediate, programmed time and date, or via Palm;
- Stop options: when full, at a certain time, after a number of readings, or wrap around (overwrites first readings).
- Data acquisitions can be repeated daily;
- Memory for 32,000 recordings in one channel or 16,000 recordings for each channel;
- Infrared communication u to 1 meter away;
- Intervalo entre registros: programável de 1s a 18 dias;
- Real time clock;
- Internal replaceable lithium cell (3.6V 1/2 AA);
- Estimated battery life: 3 years with one daily download. Battery life depends heavily on data retrieval frequency;
- Configuration and data retrieval software for Windows 98, XP, 2000 and PalmOS;
- Operating temperature: -40°C a 70°C;
- ABS enclosure with IP65 protection (IP67 or IP68 under request);
- Dimensions: 70 x 60 x 35 mm.

## LOGBOX CONFIGURATION SCREEN

