

## Datalogging & additional analog inputs

applicable with portable gas analyzer PG-250

# Data logger SMA-371

HORIBA Europe's datalogger SMA-371 was especially designed for recording measured data from HORIBA's portable gas analyzer PG-250. It also provides additional analog inputs.

The SMA-371 data logger can be used both, in online and in offline operating mode. In online operating mode you attach the data logger directly to the serial interface of Your PC. In this case only instantaneous values are processed. On the basis of instantaneous values, the further processing takes place in HORIBA's software EDA-2000.



CE marking compliant

## Functions:

- Data acquisition and verification of the raw data from the PG-250 instrument and additional analog inputs, maximum 16 input channels.
- Calculation of average values, setting time frame from one minute up to one hour.
- Storage of the average values in the battery back-up internal memory.
- Support of 8 different measuring sites.
- Configuration and processing of measurements with EDA-2000.

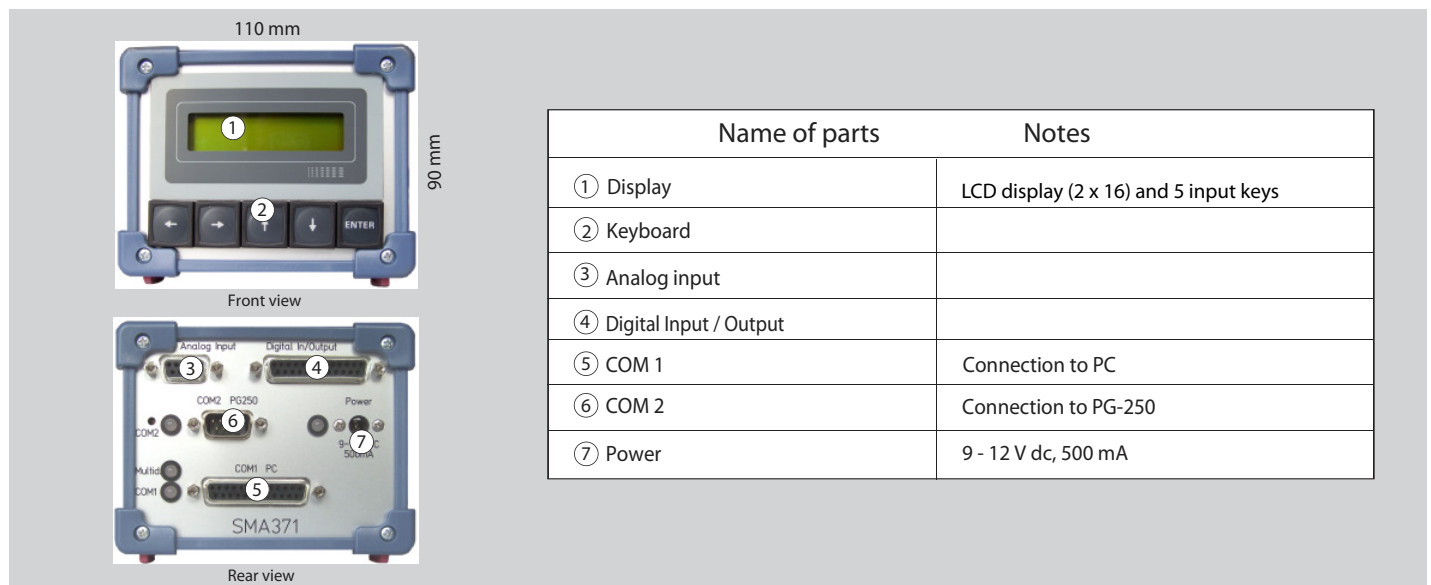
## Features:

- Storage capacity: 460 hours with 16 components at a time frame of 30 minutes, 15.5 hours with 16 components at a time frame of one minute.
- 7 analog inputs for current or voltage input port for the connection of the Horiba PG-250.
- Serial port for the connection to a PC for configuring and transfer of the measuring data.
- Serial port for the connection of the Horiba PG-250.
- 8 binary TTL inputs.

## Specifications

Model	SMA-371
Application	Datalogging and -processing for multi-component gas analyzer PG-250
Processor	80 C 320 microcontroller, 12 MHz, battery buffered clock and memory
Storage	128 kB battery buffered RAM
Analog inputs	7 analog inputs ( isolated ),  12 bit, 0 – 5 mA, 0 – 12.5 mA, 0 / 4 - 20 mA, 0 – 1 V, 0 – 2.5 V, 0 – 10 V
Digital inputs	8 Open Collector inputs (TTL)
Serial interface	COM 1: - for the connection to a PC for configuring and transfer of the measuring data ( isolated )  COM 2: - for the connection to HORIBA PG-250 for processing instantaneous values
Firmware	Sampling of actual values, calculation & storage of average values, max. 16 channels, free configuration
Power supply	9 - 12 V dc, 500 mA
Dimensions ( L x W x H )	230 x 110 x 90 mm
Weight	1300 g
Conforming standards	CE marking

## External dimensions



Please read the manual before using this product to assure safe and proper handling of the product.

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