

Barometer BM35



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The BM35 barometer is a precision pressure measuring instrument for meteorological applications.

A resonance pressure cell ensures maximum stability and accuracy.

This unit is equipped with an RS232 or RS485 interface and can be connected to the MeteoBus.

The pressure measuring unit features an airtight design.

The built-in microprocessor allows calibration of the unit through software without opening the housing.

Power is supplied by a 12 V DC source

Options:

- Mains adapter for 230 or 115 VAC
- BM35-USS, built-in lightning and surge protection with EMCert
- Rack -Version, for installation in 19" housing

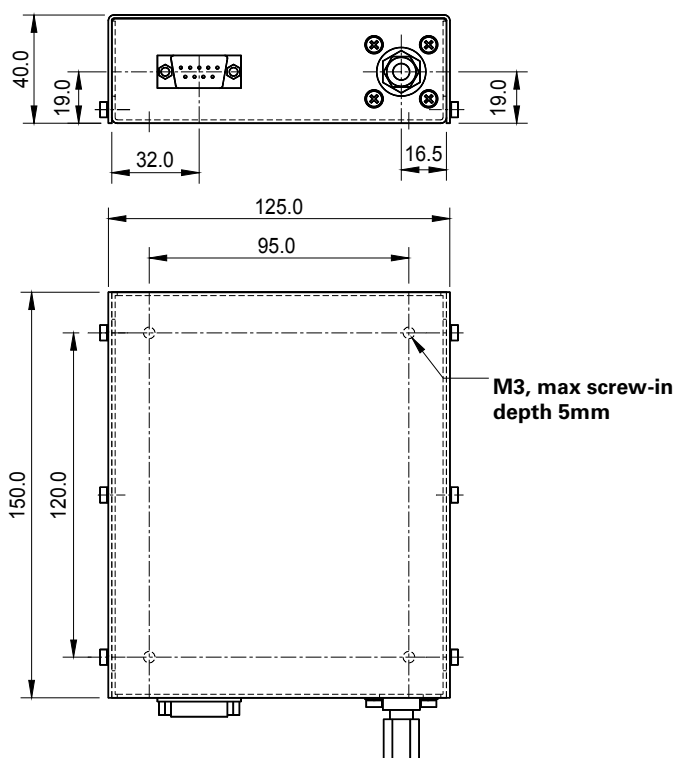
Data processing and data interface

The BM35 works autonomously, i.e. the measured values of up to 24 days are saved and can be retrieved via an interface (RS232 or RS485) at any time. When an RS485 MeteoBus interface is used the units are polled with an address which means that several units can be connected via the same interface. Up to 4800 data records can be stored in the unit.

Technical data

Measuring range	600... 1100 hPa	Supply voltage	11...14V DC
Resolution	0.01 hPa	Current consumption	Max. 145 mA
Accuracy	±0.05 hPa		
Admissible temperature range	-25...+60 °C	Interface	RS232 or RS485 ASCII, 2400 Baud
Hysteresis	<0.01hPa	Max. cable length	3m
		Hose connection	Fitting with union piece for 6 mm hose
Stability	<100ppm/year	Threaded connection	G 1/8", female thread
Pressure medium	Air		
Measurement interval	1/2/5/10/15/20/30/60 minutes	Weight: Dimensions:	1.1 kg 175x124x40 mm

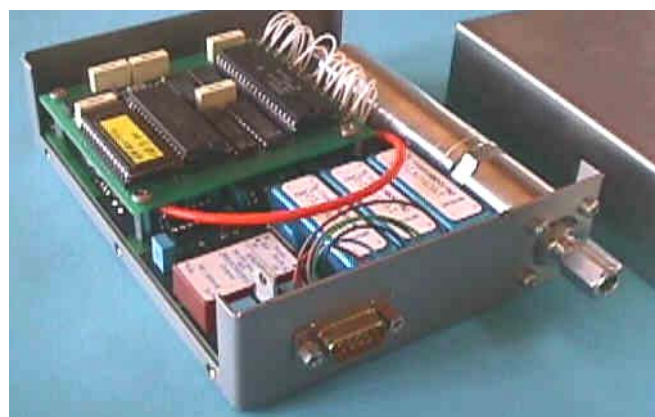
Mechanical dimensions



all dimensions in mm

Ordering information

- MGE-BM35/00: BM35 with RS 485 interface
- MGE-BM35/01: BM35 with RS 232 interface
- MGE-BM35/02: BM35 RS 485 with USS
- MGE-BM35/03: BM35 RS 232 m with it USS
- MGE-BM35/04: BM35 rack version



BM35 with EMCert surge protection modules



rack version KLA30-P35 built into Klimet-A30

Technical specifications are subject to change