

THB 3 ENVIRONMENTAL CONDITIONS SENSOR



The THB 3 module is a measuring device cooperating with the newest series of automatic mass comparators and manual comparators but also with 3Y series laboratory scales, a PC computer and the THB-R recorder. THB 3 module serves for measuring the three following parameters directly from the measuring position, the temperature parameter, the humidity parameter and the atmospheric pressure parameter.

The environment conditions measurements results can be viewed on the screen of the touch panel.

On the basis of the transferred measurements the 3Y series scales software estimates the air density. Its value is presented on the screen.

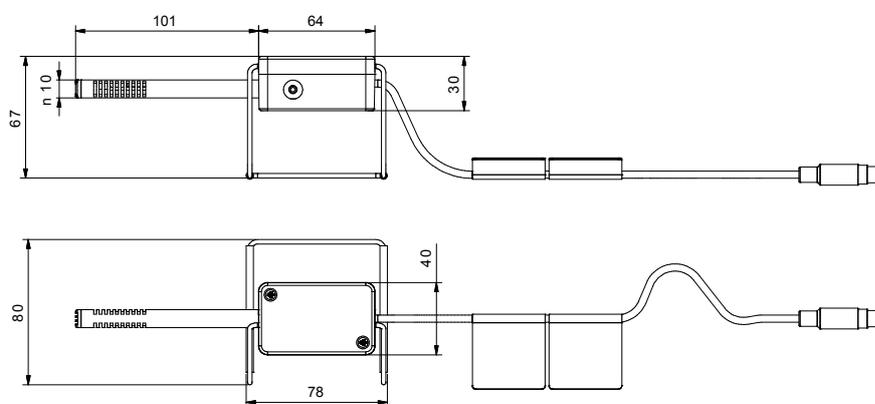
To maintain the THB-3/2 module with the use of a PC computer the user needs the „THB-R Single” program.

To maintain the THB-3/3 module with the use of a THB-R recorder the user needs the „THB-R Multi” program.

THB ambient module is offered with Calibration Certificate.



Dimensions:



Cooperation with:

- 3Y series laboratory scales
- 3Y series comparators
- PC computer

Technical specification:

	THB-3/1	THB-3/2	THB-3/3	THB-3/4
Intended use	Balances 3Y	PC	THB-R	AKM
Communication	RS 232	RS 232	RS 485	RS 485
Measured temperature range	+5 ÷ +45°C			
Temperature measurement accuracy	d=0,01°C error +/- 0,1°C			
Measured atmospheric pressure range	850 ÷ 1050 hPa			
Atmospheric pressure measurement accuracy	d=0,1 hPa error +/- 2hPa			
Measured humidity range	0 ÷ 100%			
Humidity measurement accuracy	d=0,1% error +/- 2% *			
Operating temperature	+5 ÷ +45°C			
Housing	plastic			
Power supply	5 VDC power from a balance	7÷14 VDC external feeder	5 VDC poweder from THB-R	7÷14 VDC powered from AKM
Connection	DSUB 15	DB9	PS2	PS2
Software	balance	„THB-R Single” for a PC	„THB-R Multi” for a PC	balance
Mass	0,75 kg			

* 0% - 10% and 90% - 100% error +/- 5%

PARTNER CORPORATION

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