



## Improving Accuracy

The Geratherm Respiratory Ambistik has been designed to help in the drive for more accurate measurements. The Ambistik measures the ambient conditions of Temperature, Pressure and Humidity within the testing environment, allowing accurate calculations and corrections to be made for BTPS within the system.

Further with the addition of the Ambistik to the Blue Cherry software package the system is able to create automatic calibration corrections for the GR Spiraflo disposable flow sensor. Recent tests have shown that using the Ambistik module in conjunction with the Spirostik Spirometer allows the spirometer to be used at different altitudes without further manual calibration.

**Improve the accuracy of any Geratherm Respiratory diagnostic device with the addition of accurate ambient conditions measurements.**

## Future proof technology

The Geratherm Respiratory Ambistik is one of the core units within the Blue Cherry Diagnostic platform range, as such it is compatible with all current devices running under the Blue Cherry platform and will remain compatible with all future products running under the platform. Giving true peace of mind for the future, wherever that may be !

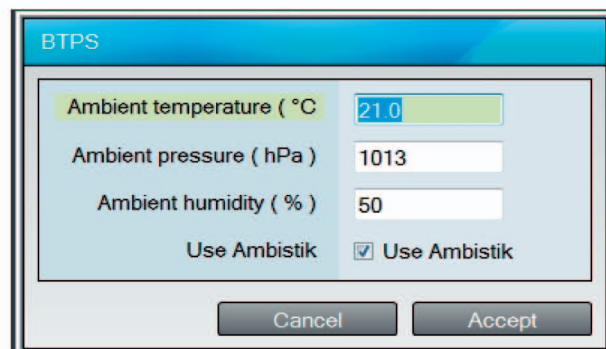
## Recording all measurements

The Blue Cherry platform automatically records the ambient conditions to the database, allowing checks to be made later or trends of the recordings to be shown either at calibration or together with patient data.

[www.geratherm-respiratory.com](http://www.geratherm-respiratory.com)

## Simple to Install

As with all of the Geratherm respiratory devices, the Ambistik is based around the USB 2.0 PC interface this providing the power and the connectivity for the device. Simply plug the Ambistik into a spare USB port on the PC or hub, tell the software to use the Ambistik for BTPS correction values and it begins to do it's job simple!

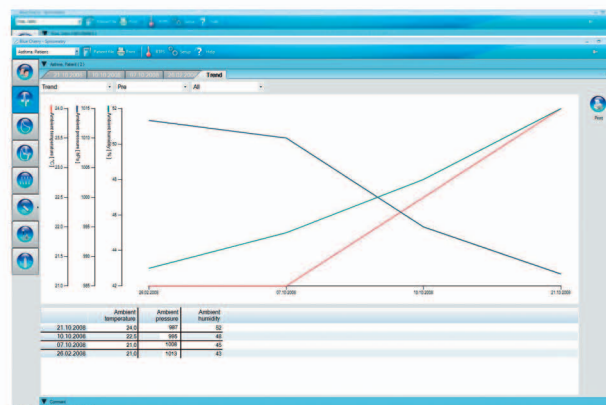


## NO WORRIES !

- ✓ No requirement for separate Thermometer or Barometer.
- ✓ No transcription errors with data input.
- ✓ Ambient conditions stored directly for every measurement
- ✓ Works with all Blue Cherry devices.

## Data Trend

Finally as the data is collected for each calibration the data is stored to the calibration database, this data can be trended to look at continuity of conditions over time in the testing environment.



## Technical Specifications:

Mechanical Data:	Dimensions: Weight:	76,5 x 30 x 18,5 mm (L x W x H) 20 g
Electrical Data:	IP protection type: Classification according to MDD: Application component type: PC Interface: Power Supply: Power Consumption:	IPX0 IEC 529  IIa 93/42 EWG date June 14th 1993 appendix IX BF according to VDE 0750 (DIN EN 60601-1) USB 2.0 Via USB port <40 mA
Temperature Measurement:	Measurement range: Resolution: Scan rate: Accuracy:	0°C – 80°C 0.01°C 0.25 Hz ±0.3% at 25°C
Humidity Measurement:	Measurement range: Resolution: Scan rate: Accuracy:	10% – 90% 0.1% 0.25 Hz ± 2% at 50%
Pressure Measurement:	Measurement range: Resolution: Scan rate: Accuracy:	800 – 1150 mbar 1 mbar 0.25 Hz ±1.5%
Storage and Transport conditions:	Temperature: Humidity: Explosive conditions:	-10 °C to +90 °C 0 to 95% non condensing Device should not be used in explosive or flammable atmospheres.
Minimal requirements PC System:	Proven Standards: Processor:  RAM memory:  Hard disk drive:  Monitor: Interface:  Operating system:	DIN EN 60950 Pentium III compatible or higher 1Ghz or higher recommended 500 MHz minimum required 512 MB of RAM or higher recommended 192 MB minimum required 1.5 Gb recommended 600 MB free space minimum required XGA (1024 x 768) or higher USB 2.0 recommended USB 1.1 minimum Windows XP SP2 or higher

All Geratherm Respiratory products are designed to meet the ATS and ERS criteria and other international standards and guideline's where required.

The Spirostik complies with DIN EN ISO 23747.

All Geratherm products are manufactured in accordance with DIN EN ISO 9001 and DIN EN 13485.

### For further information please contact us:

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### Your Local Geratherm Respiratory Partner