PATBOX

Pressure And Temperature Logger
The PATBOX

- Data logger for measuring pressure and temperature of ambient air via integrated sensors
- Handy and uncomplicated
- Operation via Smartphone App
Key Features

• Log intervals from **0.1 seconds to 12 hours**

• Pressure measuring range from **1 to 2000 mbar**

• Temperature measuring range from **-20°C to 60°C**

• **2 days battery life** with recording every second

• Easy and convenient **contactless charging of the battery via QI**

• Operation via **Android App**

• Data transfer via **NFC chip**
Function

• Operation via keys or smartphone

• Log settings:
  • Select interval: from one millisecond up to 12 hours
  • Select Log start: Countdown, keystroke or movement
    • Keystroke: Log start by a simple keystroke.
    • Countdown: The time until measurement can be set in advance and started by pressing a key. Now, for example, the PATBOX and the vacuum chamber can start at the same time.
    • Movement: Set a countdown time, after which the slightest movement will start the measurement.

• After selecting the setting, recording can be started. The PATBOX is positioned at the point where the pressure and temperature conditions are to be checked, e.g. inside a machine, in a package, in a transport container, in climatic cabinets, etc.

• The PATBOX will keep measuring the pressure and temperature.
Function

- The PATBOX measures the pressure and temperature of the ambient air and generates a history log, until the measuring process is stopped.
- After the measurement, the data can be checked on the device or via smartphone.
- Data export via NFC to Android Smartphones
- Logged data:
  - All measurements can be displayed with date, time, pressure and temperature
  - Graphical display of the log history
- Sending as Excel file via e-mail possible
Applications

• Checking the pressure in vacuum machines, e.g. packaging machines
• Testing of pressure chambers
• For maintenance work or to adjust machines
• Temperature control of sensitive goods during transport
• Monitoring of climate cabinets
• Ideal equipment for technicians
Data transfer via NFC

• NFC means Near Field Communication
• The majority of smartphones have NFC chips, for example for Google Pay applications. But NFC isn’t just for shopping, there are much wider applications ...
• Simply connected: Activate NFC on the PATBOX and hold it against the back of the smartphone
• Automatic recognition of both devices
• Now you can easily change the settings or read the data
## Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure range</td>
<td>1 to 2000 mbar (abs) ± 4 mbar</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-20°C to 60 °C ± 0,5 °C</td>
</tr>
<tr>
<td>Measuring intervals</td>
<td>0.1 s to 12 h</td>
</tr>
<tr>
<td>Accelerating sensor</td>
<td>Yes</td>
</tr>
<tr>
<td>Display</td>
<td>Brilliant OLED display with large reading angle</td>
</tr>
<tr>
<td>Start</td>
<td>Keystoke, Movement, Countdown</td>
</tr>
<tr>
<td>Communication</td>
<td>NFC</td>
</tr>
<tr>
<td>Housing</td>
<td>Shockproof and splash-proof IP55</td>
</tr>
<tr>
<td>Memory</td>
<td>Flash Chip with more than 600.000 Logs</td>
</tr>
<tr>
<td>Battery capacity</td>
<td>550 mAh</td>
</tr>
<tr>
<td>Run time</td>
<td>Depending on the interval from 48 hours to 7 days</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 60 grams</td>
</tr>
<tr>
<td>Standards</td>
<td>ISO 9001 / ISO 22000; CE mark: EMV 2014/30/EU</td>
</tr>
<tr>
<td>Charging</td>
<td>Wireless QI charging</td>
</tr>
</tbody>
</table>
Included in delivery

Hard case, including:

- PATBOX
- Qi charger
- Power supply with adapter for all countries
- Instruction manual (as free download)
Summary

• Easy measurement and logging of pressure and temperature of the environment
• Operation and data export via app
• Graphical display
• Direct export of the history logs as Excel file by e-mail
• Easy operation
• Handy and compact: Including integrated sensors, the PATBOX only a little larger than a car key.
• Ideal tool for adjusting and maintaining your vacuum technology
Information

For the data sheet and more information please see:

www.wittgas.com

Get the Data logging!!!