PATBOX

Pressure **A**nd **T**emperature Logger

The PATBOX

- Data logger for measuring pressure and temperature of ambient air via integrated sensors

- Handy and uncomplicated
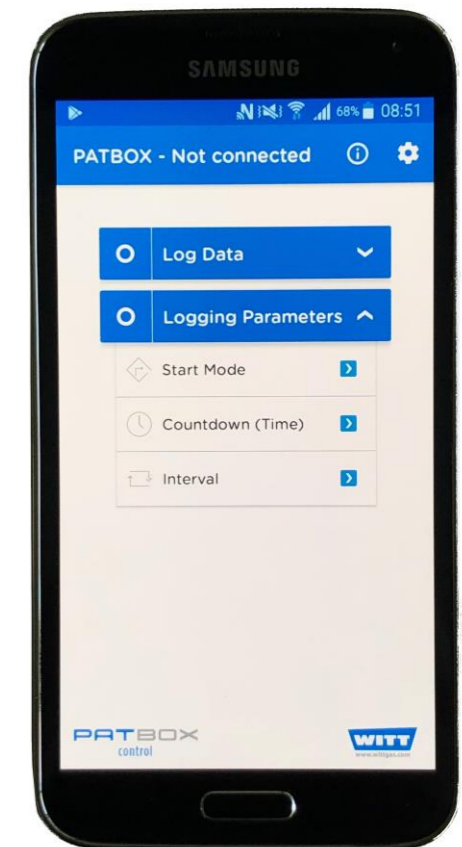
- Operation via Smartphone App

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**
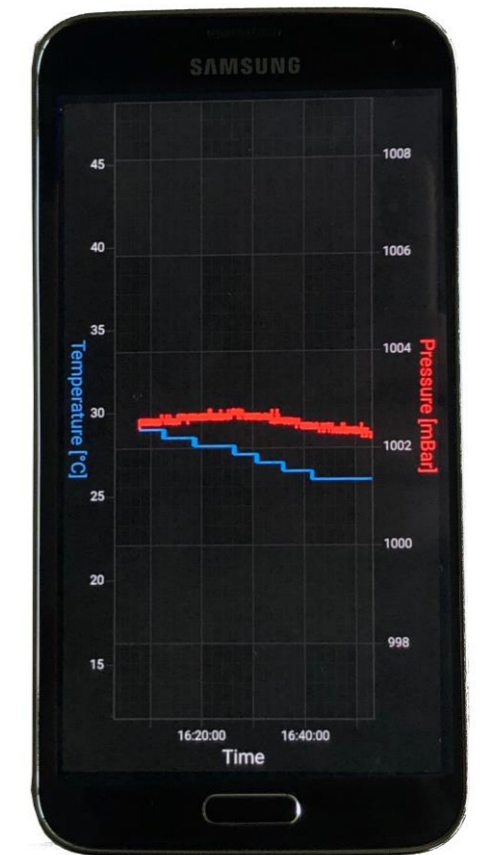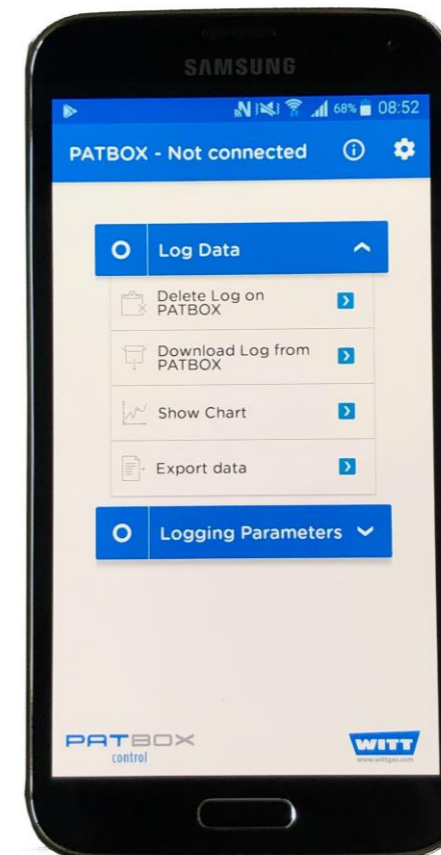
- Data transfer via **NFC chip**

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

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

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 infomation please see:

www.wittgas.com

Get the Data logging!!!