

## DATA LOGGER PATBOX

A highly mobile solution for measuring rapidly and accurately everywhere in production.

The compact device is suitable for measuring and logging of ambient pressure and temperature.

The PATBOX allows the setting and monitoring of machines that work with vacuum, for example inert gas packaging.

This compact instrument with OLED display is really easy to operate: The Patbox does not have to be connected, but instead registers pressure and temperature via integrated sensors.

The measuring range extends from 1 to 2,000 mbar or -20 to 60 °C (-4 to 140 °F). Once initiated via the button or timer, the box registers its measurements at intervals of 100 ms to 12 hours.

The internal flash chip records 600,000 entries: at ten measurements per second, extremely precise progress monitoring over up to 16 hours is also possible in addition to purely random sampling.

Compared to other devices the PATBOX does not communicate via a USB cable but via a NFC wireless connection. The data can be read via a smartphone or tablet app for Android.

Additional special feature: The battery is charged wirelessly on a charging base.

### Benefits

- highly mobile and accurately measurement
- extremely small size
- high process reliability
- state-of-the-art sensor technology
- comfortable configuration and software update per Android App
- simple transmission of data via NFC
- large pressure range of 1 to 2,000 mbar
- wide temperature range of -20 to 60 °C (-4 to 140 °F)
- brilliant OLED graphic display
- charging base for wireless charging of the battery

### Complete inclusive

- charging base
- readout of data by PATBOX Control App for Android
- operating instructions

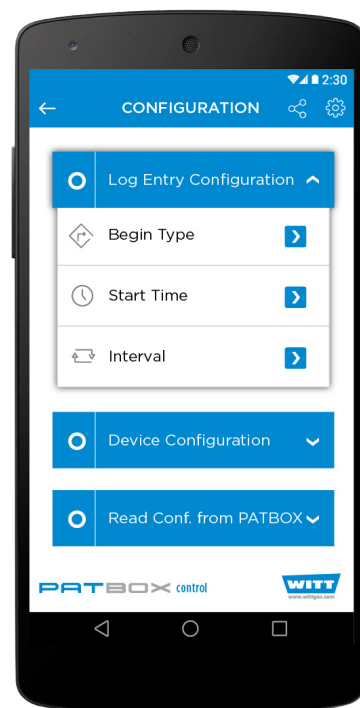
\* the Android device is not included in the scope of delivery



PATBOX



PATBOX charging base



PATBOX Control App \*

# DATA LOGGER

## PATBOX



<b>Pressure range</b>	1 to 2,000 mbar (abs)
<b>Pressure accuracy</b>	± 4 mbar
<b>Pressure resolution</b>	1 mbar
<b>Temperature range</b>	-20 to +60 °C (-4 to 140 °F)
<b>Temperature accuracy</b>	± 0.5 °C at -20 to +60 °C (at -4 to 140 °F)
<b>Temperature resolution</b>	0.1 °C
<b>Interval data logger</b>	free interval setting from 100 ms to 12 hours
<b>Acceleration sensor</b>	yes
<b>Memory</b>	flash chip
<b>Number of records</b>	approx. 600,000
<b>Memory capacity</b>	8 MB
<b>Communication</b>	NFC
<b>Software</b>	PATBOX Control App for Android
<b>Language</b>	multilingual
<b>Display</b>	brilliant OLED display with very large reading angle
<b>Activation</b>	by touch of a button, acceleration, countdown [h:mm:ss]
<b>Deactivation</b>	by touch of a button, full memory, battery is discharged
<b>Housing</b>	shock resistant plastic IP55
<b>Weight</b>	< 60 g
<b>Dimensions (HxWxD)</b>	90 x 50 x 20 mm (3.5 x 2.0 x 0.8 inches)
<b>Battery capacity</b>	550 mAh
<b>Run-time</b>	1.5 to 7 days, according to interval data logger
<b>Charging device</b>	scope of delivery
<b>Charging</b>	wireless by Qi standard
<b>Approvals</b>	Company certified according to ISO 9001 and ISO 22000 CE-marked according to: - EMC 2014/30/EU