

# nR Test Box

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Fournisseur de Solutions Globales de Sécurité ATEX

CONSEILLER EN SÉCURITÉ ATEX

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Vacuum Test Device and Control Unit Equipment



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The vacuum test device is an enclosure containing:

- A Pressure Sensor **COFRAC Certified**,
- A Micro-controller,
- And a Vacuum Pump,

To generate during the test the appropriate vacuum level in the tested component.

A Predictive Real-Time Algorithm in regard with EN 60079-15



*The Touch Pad represents the control monitor of the nR box*

*The Test Device embeds sensors, pump and electronic cards to perform the nR test*

- The nR test Box is provided with an **Android Touch Pad** that embedded a **powerful software to automate the test**.
- The software is secured by a 5-characters login, which is also used to choose the system mode
- **An internal battery**, which can be charged with the supplied charger, **powers the device and the control unit**.
- The **communication** between the test device and the control unit **is wireless** (ZigBee®).
- **This equipment can thus be used** without any wire for application **where mobility and flexibility are needed**.

The device could be used in two different modes:

- **Display values mode**: to read embedded sensors values (pressure) in real time on the tablet.
- **Pressure test mode**: To perform a nR test, read sensors values and save test results.

- The test results could be stored on an external device such as an usb key.



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