Vacuum Explorer VaX
Multichannel Controller with Innovative Operating Concept

- Operates 9 vacuum sensors simultaneously
- Mobile pressure display – wireless
- Intuitive operation via VACOM-App
- Modular design that fits your application
- One controller for all VACOM sensors

NICHTS ist unerreichbar.
Technical Data

- **Display and operation**: Smartphone or tablet
- **Display range**: $3 \times 10^{-10}$ to $1.5 \times 10^{0}$ Pa | $3 \times 10^{-12}$ to $1500$ mbar | $2.3 \times 10^{-12}$ to $1125$ Torr
- **Units**: Pa, mbar, Torr (adjustable)
- **Number of module slots**: 3
- **Compatible modules**: Hot cathode module for 1 passive BARION® sensor, active sensor module for 3 active sensor, freely combinable
- **Number of measurement channels**: Max. 9 (3x active sensor module)
- **Measurement rate / Display rate**: Max. 2 / s (adjustable)
- **Interfaces**: Main device:
  - **Back**: 1 x RJ45 (RS485 and RS232), 1 x power supply, 1 x D-Sub mixed for passive BARION® sensor (11 pins), 3 x RJ45 for aktive sensor
  - **Front**: 1 x USB-data transfer (USB-B), 1 x USB charging (USB-A)
- **Operating temperature**: +5 bis +40 °C (sea level) | +5 bis +30 °C (2000 m NN)
- **Housing / Dimensions**: 19 inch unit: 3 HE, 21 TE, 106x128x202 mm (WxHxD)
- **Weight**: appr. 2 kg (dependent on installed modules)
- **Protection category**: IP40
- **Power supply**: 24 V ±10 %, 100 W
- **Upgrade via firmware**: Yes
- **Appropriate Software**: VACOM® App, VACOM Vacuum Measurement & Demonstration Program (VVD)
- **Accessories** (X = cable length):
  - CABLE-VAX-LAH-X | CABLE-VAX-BARIONBPS-X
  - CABLE-VAX-ANYGAS-X | CABLE-VAX-MEMBRAN-X
  - CABLE-VAX-PIRANI-X | CABLE-VAX-COLD-X
  - Adhesive foot, Mounting kit for rack mounting
- **Corresponding sensors** (X – all available variants):
  - Passive sensors: BARION® basic II | BARION® pro II | BARION® smart/F
  - Active sensors: VaX linkB | BARION® atm II | BARION® HV | ANYGAS, PIRANI-XXX-C-X | MEMBRAN-1XXX25-X | COLD-P
- **Scope of delivery**: Device, power supply incl. power cord (type F, others on request)

Front and Rear View with Connections and Display of VaX

1. USB charging socket
2. USB data connection
3. LED Bluetooth
4. LED Status
5. Button Standby / Reset
6. Integrated magnet for attaching mobile phone or tablet
7. Slot 1 (e.g. hot cathode module)
8. Slot 2 (empty)
9. Slot 3 (e.g. active sensor module)
10. Power supply
11. RS232/RS485

Innovative Operating Concept with Tablet or Smartphone

- Free VACOM-App (Android) for displaying the vacuum pressure (available at Google Play Store)
- One App – up to 18 gauges
- One App – a whole machine or laboratory in your hand (with switchable fonts, backgrounds, units and more)