

NEW

**10⁻ⁿ
mbar**
VACOM®

NOVION®

EN

The comprehensive solution for vacuum monitoring



- Wide range pressure measurement from ATM to UHV
- Gas analysis available at high pressures up to $5 \cdot 10^{-3}$ mbar
- Helium leak detection without additional instrumentation

NICHTS ist unerreichbar.

Technical data

■ Principle of measurement	<ul style="list-style-type: none">■ Ion Trapping and electron impact ionization■ Time of flight mass spectrometry■ Heat conduction (Pirani)
■ Vacuum connection	KF 25/CF40
■ Filaments	2x Iridium, yttria coated
■ Materials in vacuum	SS, Au, Y ₂ O ₃ on Ir, glass, Cu, Pt, Al ₂ O ₃
■ Mounting position	<ul style="list-style-type: none">■ Any for < 10 mbar■ Position-dependent for > 10 mbar
■ Operating temperature	10°C to 55°C
■ Max. Bakeout temperature	200°C at sensor (control unit detached)
■ Weight	<ul style="list-style-type: none">■ Sensor head: about 1 kg (flange dependent)■ Control unit: about 0.76 kg
■ Dimensions (HxWxD)	<ul style="list-style-type: none">■ 260 × 73 × 66 mm (control unit attached)■ 100 × 73 × 66 mm (control unit detached)

Scope of delivery

Sensor
Removable control unit
RJ45 data cable with USB-to-RS232 adapter
24 V power supply

Applications

- Fast total- and partial-pressure measurement in one device
- Helium leak detection
- Comprehensive and easy vacuum monitoring
- Detection of contaminations: i. e. heavy carbon contamination, water leaks, atmospheric leaks
- Interference-free hydrogen detection