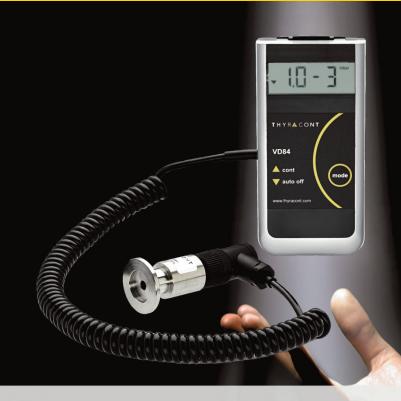
VD84 - Compact Vacuum Meter Pirani, Datalogger

Absolute Pressure 100 to 1 x 10⁻³ mbar



VD84 at a glance

- Pirani sensor with durable, elastic helix filament
- Stable measuring values due to optimized temperature compensation
- External, detachable sensor with stainless steel small flange DN 16 ISO-KF or 1/8" NPT male thread, connected by spiral cable (1.20 m)
- Excellent reproducibility
- Integrated metal facing protects the sensor against contamination like oil vapours or solvent vapours
- Gas type correction factors for correct pressure readings
- UHV suitable due to metal sealed stainless steel measuring cell (He leakage rate <5e-10 mbar l / s)
- Operation with battery or power supply for mobile use and fixed installation
- Integrated data logger for up to 2000 measurement values
- Pressure units mbar, Torr, hPa
- USB interface for easy push button data transfer to PCs, but no PC connection is necessary during measurements

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Absolute Pressure 100 to 1 x 10⁻³ mbar



Technical Data

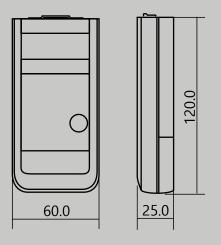
Heat conduction Pirani (gas type dependent)
100 - 1e-3 mbar (75 - 1e-3 Torr)
4 bar absolute
100 – 20 mbar: <30% f.r. (f. reading 20 - 1e-2 mbar: 10% f.r. (f. reading)
100 - 10 mbar: 1 mbar, < 10 mbar: 2 digits mantissa, 1 decimal place
1.0 s
1 6000 s
Stainl. steel 1.4305, nickel, tungsten, glass
+5+50 °C
-20+60 °C
9 V battery or 1215 VDC external
Approx. 110 mW (clocked)
Li-battery: <100h, 6LR61 Alkaline:<40h
Mini-USB, Type B, 5pin, female, Virtual Com Port protocol
Mini-jack 2.5 mm for plug-in power supply
Stainless steel small flange DN16 ISO KF or 1/8" male thread
LCD 12 mm
IP40
Approx. 200 g (battery included)

VD84 - Compact Vacuum Meter Pirani, Datalogger

Absolute Pressure 100 to 1 x 10⁻³ mbar



Dimensions in mm



Model designations

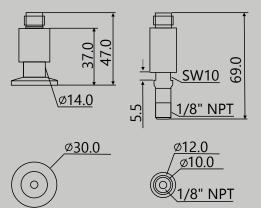
VD84/1 Compact vacuum meter with probe type VSP841
DN 16 ISO-KF flange

■ VD84/2 Compact vacuum meter with probe type VSP842 1/8" NPT male thread

VSP841 Passive (external) Pirani sensor DN 16 ISO-KF flange

VSP842 Passive (external) Pirani sensor 1/8" NPT male

thread



Accessories

VD8ZUB accessory set consisting of:

VD8CASE protective plastic case

VD8N4 power supply 15 V, incl. change-over

plug, EURO, US, UK, AUS

VD8ALK alkaline battery 9 V (vacuum tested);

WUSB0002 interface cable, 2 m, USB; VGR VacuGraph™ software

Further accessories as well as detailed information about our product family can be found in our VD8 brochure.