

THYRA  CONT

V a c u u m I n s t r u m e n t s

8th International Vacuum Electronic Workshop

September 2 - 3, 2022

Intelligent Vacuum Measurement since 1970



- Founded in 1970, located in Passau, Germany
- 50 years experience in vacuum gauges
- Long standing OEM for leading suppliers of vacuum technology
- Expertise in vacuum gauges 2000 - 3×10^{-11} mbar
- Global network of sales partner

Market References



High-end vacuum technology



A global leader in the development and production of freeze-dryers



Development and production of supreme quality UV-lamps



Top-ranked company on the industrial gas market



Globally successful company for thermal process technology



International pioneer in the aerospace industry



PRIVATE UNIVERSITY
of Applied Sciences

International, renowned universities and institutes

Portfolio Overview - Gauges

Smartline™



Intelligent vacuum
transducers

1200 – 5×10^{-10} mbar

RS485 + 0-10V, Profinet,
EtherCAT

Analogline



Robust vacuum
transducers

2000 – 5×10^{-5} mbar

0-10V, 4-20mA, USB

VD8



Compact vacuum meters
with data logger

1600 – 5×10^{-4} mbar

USB interface

PVC



PVC Ion Gauge and
Vacuum System Controller
for passive UHV hot
cathode ion gauges

Portfolio Overview - Switches and Accessories

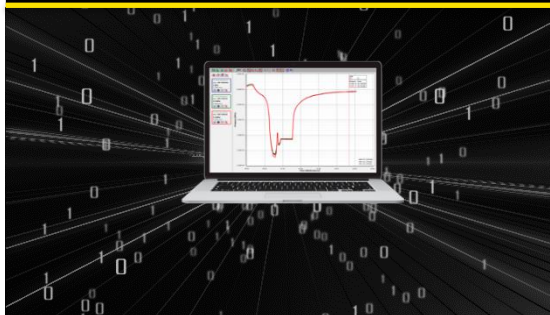
Switches



Reliable vacuum switches with
relay 230 VAC / 5 A

1200 – 0.001 mbar

Software & Accessories



Innovative vacuum measurement
software VacuGraph™,
protective accessories, flanges
and fittings, Bluetooth adapter, ...



Service



Calibration service,
competitor gauge substitution,
individual technical solutions

Analogline - Benefits at a Glance

1- and 2-channel controllers available

4-20 mA or 0-10 V output signal

Push button for re-adjustment

Protection Class of up to IP54

Compact design

USB support

Individual temperature compensation

Metal sealed (Piranis),
very low He-leakage rate



VSC43USB - Features



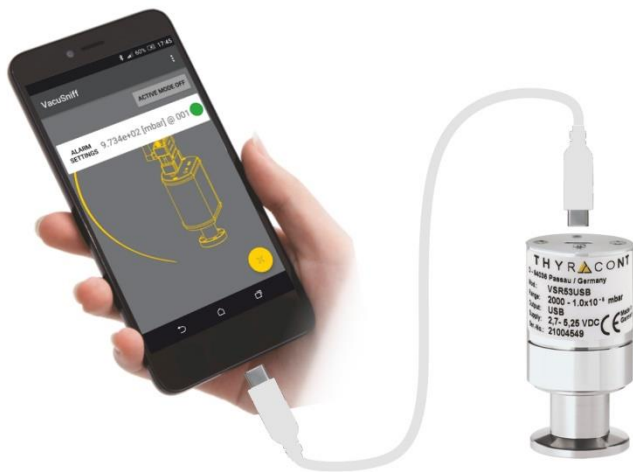
- Measurement range **2000 ... 1** mbar.
- Measurement independent of gas type
- Chemically resistant ceramic diaphragm sensor, robust against contamination or condensing vapors
- Fast response time of up to 20 ms enable shorter clock cycles
- Absolute and relative pressure measurement
- USB-C connection

VSR53USB - Features



- Combination sensor Piezo / Pirani with extended measuring range
- Measurement range **2000 ... 0.00005 (5e-5) mbar**.
- High accuracy over the entire measuring range including rough vacuum
- Measurement independent of gas type in low vacuum
- Fast response time of up to 18ms enable shorter clock cycles
- USB-C connection

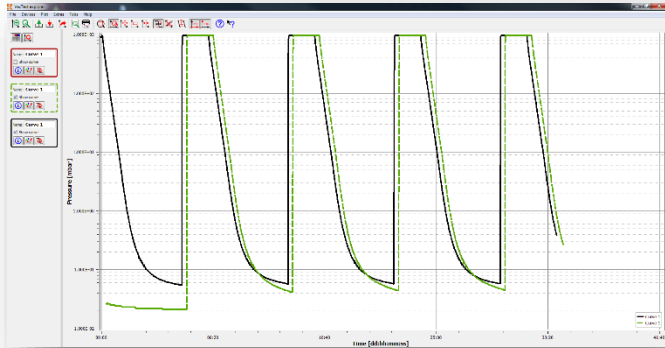
USB-C Features



- Easy connection and adjustment via USB-C
- Intuitive handling via Software or App
- Easy vacuum measurement via Smartphone or Tablet
- Optimally suited for use in service applications

Software and Application

VacuGraph and VacuSniff



Thyracont offers 2 softwares, one Android application (VacuSniff) and one Windows and Android (only tablets) software (VacuGraph).

VacuGraph can be downloaded for free on the **Thyracont Website**. A paid license is needed to activate all advanced functionalities of the full version.

VacuSniff is available for free on **Google Play store** and on the **Thyracont website**.



Thank you for your attention!

