

AQUATRACE® IV - W wall mount device, 0-2000 Vppm

for the measurement of traces of moisture

Made
in
Germany



Product features

- ✓ Analyzer, data logger
- ✓ Industrial device, wall mounting, 1-2 ch.
- ✓ Four relays for monitoring per channel
- ✓ MODBUS TCP, remote access
- ✓ Measuring range 0-2000 ppm_v
- ✓ Lower detection limit up to 0.01 ppm_v
- ✓ Sensor with Pt-interdigital structure
- ✓ No drift characteristics
- ✓ Easy to maintain, no follow-up costs
- ✓ Traceable measurement result
- ✓ 7 languages, expandable
- ✓ Touchscreen 800x480
- ✓ Power supply 90-230VAC, 50Hz
- ✓ Intrinsically safe connection for ATEX

Technical specifications

Product: AQUATRACE® IV - Typ W, wall mount device, 1-2 channels

Performance specifications

Measuring range: 0-2000 Vppm, dew point –100 °C - 20 °C, ranges deviating from the standard on request

Accuracy: +/- 5% of the displayed value, at least 0.4 ppm_v | optional 0.04 ppm_v

Response time: dry to wet: T90 <5 sec; Wet to dry: T90 <15 min

Repeatability +/- 0.1 ppm_v | optional +/- 0.02 ppm_v

Calibration traceable calibration certificate, n-point calibration/adjustment (optional)

Display Touchscreen 800x480 pixels, color

Every measuring channel

Lower detection limit 0.1 ppm_v | optional: 0.01 ppm_v

Measuring range 0-2000 Vppm

Displayed value(s) In ppm_v or Tp °C (adjustable)

Transmission rate 32 bit

Data log rate min. 2 s max 10 min

Sensor detection automatically

Automatic sensor test Automatically (function test)

Analog output 4-20 mA (freely scalable)

Alarm output limit value - programmable as floating changeover contact

Channel relay 4 channel relays according to NAMUR (F + S; C + M), per channel (max. 2)

Measuring cell

Material measuring cell PVDF or stainless steel

sensor material Platinum on glass / ceramic or interdigital structure on ceramic substrate

Leakage rate < 5x10⁻⁷ mbar x l / s

Sample Gas flow 20 NI/h or 100 NI/h cell

Sample gas temperature +5 ... +65 °C

Sample gas pressure approx. 200 mbar overpressure at the measuring cell inlet, pressureless flow out

Gas connections ¼" NPT inside thread

Cell connection (el.) 5-pin Binder plug, angled

Measuring cable Customized 2 m; Max. Cable length 100 m

Data logger

Format	textfile *.csv
int.	daily files
Export type	daily files
separator	*,*
Export via	USB / Ethernet

Messzellen verschiedener Materialvarianten und Sensorausführungen



AQUATRACE® measuring cell for measuring traces of moisture for gas flow 20 or 100 NI / h

- (1) Version in stainless steel, sensor glass
- (2) Version in stainless steel, ceramic sensor
- (3) Version in PVDF, sensor glass
- (4) Version in PVDF, sensor ceramic
- (5) Version in stainless steel, sensor Pt-interdigital structure
- (6) Version in PVDF, Pt Pt interdigital structure sensor
- (7) Measuring cell for use in hazardous areas
- (8) Customer special version possible

analyzers

- ATM.BS.G 20/100
 ATM.BS.K 20/100
 ATM.BP.G 20/100
 ATM.BP.K 20/100
 ATM.BS.KoPt 20/100 (especially for HF-containing gases)
 ATM.BP.KoPt 20/100 (especially for HF-containing gases)
 like (1) - (6) + **ZB**
 ATM.BX.X 20/100

Option:

Measuring cell installed in an analysis unit with flow monitoring and purging device, 3 and 4-way valves as well as connections for measuring gas and purging gas. On request and 100% individual!



Areas of application:

- Chemical industry (especially for aggressive gases)
- Manufacturer and user of technical and medical gases
- Microelectronics
- Monitoring and testing of compressed air systems
- Machinery - apparatus engineering, refrigeration systems
- Heat treatment, hardening shops
- Research and laboratories

The permanently installed analysis devices are used for continuous purity control and production monitoring (e.g. air; N₂, O₂, Ar, other noble gases; CO₂, Cl₂, HCl gas, SO₂; hydrocarbons)