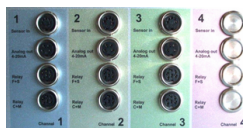


## AQUATRACE® IV - R 19" rack-device, 0-2000 Vppm

for the measurement of traces of moisture

Made  
in  
Germany



### Product features

- ✓ ✓ Analyzer, data logger
- ✓ ✓ Industrial device, 1-4 channels
- ✓ ✓ Four relays for monitoring per channel
- ✓ ✓ MODBUS TCP, remote access
- ✓ ✓ Measuring range 0-2000 ppmV
- ✓ ✓ Lower detection limit up to 0.01 ppmV
- ✓ Measuring cells 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

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## Technical specifications

<b>Product:</b>	<b>AQUATRACE® IV - R, 19" rack-device, 1-4 channels</b>
<b>Performance specifications</b>	
<b>Measuring range:</b>	0-2000 Vppm, dew point -100 ° C - 20 ° C, ranges deviating from the standard on request
<b>Accuracy:</b>	+/- 5% of the displayed value, at least 0.4 ppmV   optional 0.04 ppmV
<b>Response time:</b>	dry to wet: T90 <5 sec; Wet to dry: T90 <15 min
<b>Repeatability</b>	+/- 0.1 ppmV   optional +/- 0.02 ppmV
<b>Calibration</b>	traceable calibration certificate, n-point calibration/adjustment (optional)
<b>Display</b>	Touchscreen 800x480 pixels, color
<b>Every measuring channel</b>	
<b>Lower detection limit</b>	0.1 ppmV   optional: 0.01 ppmV
<b>Measuring range</b>	0-2000 Vppm
<b>Displayed value(s)</b>	In ppmV or T <sub>p</sub> ° C (adjustable)
<b>Transmission rate</b>	32 bit
<b>Data log rate</b>	min. 2 s max 10 min
<b>Sensor detection</b>	automatically
<b>Automatic sensor test</b>	Automatically (function test)
<b>Analog output</b>	4-20 mA (freely scalable)
<b>Alarm output</b>	limit value - programmable as floating changeover contact
<b>Channel relay</b>	4 channel relays according to NAMUR (F + S; C + M), per channel (max. 2)
<b>Measuring cell</b>	
<b>Material measuring cell</b>	PVDF or stainless steel
<b>sensor material</b>	Platinum on glass / ceramic or interdigital structure on ceramic substrate
<b>Leakage rate</b>	< 5x10 <sup>-7</sup> mbar x l / s
<b>Sample Gas flow</b>	20 NI/h or 100 NI/h cell
<b>Sample gas temperature</b>	+5 ... +65 °C
<b>Sample gas pressure</b>	approx. 200 mbar overpressure at the measuring cell inlet, pressureless flow out
<b>Gas connections</b>	1/4" NPT inside thread
<b>Cell connection (el.)</b>	5-pin Binder plug, angled
<b>Measuring cable</b>	Customized 2 m; Max. Cable length 100 m



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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:



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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