

## AQUATRACE® ATT520V Transmitter 0-500ppm<sub>v</sub> | 0-20,000ppb

for measuring trace moisture in gas



ATT520V Standard  
with G1/8 Gas in/out



ATT520V flange-version  
or G1/2 screw-in thread



ATT520V Remote

### Applications

- ✓ Inert and protective gases
- ✓ Coolant
- ✓ Glove-Boxes
- ✓ Insulators
- ✓ Vacuum
- ✓ Welding gases

### Product Features

- ✓ Measuring range 0-500 ppm<sub>v</sub> | 0-20,000 ppb<sub>v</sub>
- ✓ Resolution 0,01 ppm<sub>v</sub> | 1 ppb<sub>v</sub>
- ✓ Sensor with Pt-Interdigital Structure
- ✓ Free of drift
- ✓ Easy to maintain, no follow-up costs
- ✓ 2-wire power supply
- ✓ Power supply 24V DC

## Technical Specifications

**Product:** AQUATRACE® ATT520V - Transmitter 0-500 ppm<sub>v</sub> | 0-20,000ppb<sub>v</sub>

### Performance Specifications

**Measuring range:** 0.01-500 ppm<sub>v</sub>, 1-20,000ppb<sub>v</sub>, other measuring ranges available on request

**Accuracy:** +/- 2 % of reading or min. 0.4 ppm<sub>v</sub> | 10 ppb<sub>v</sub>

**Reaction time:** dry to wet: T90 < 5 sek; wet to dry: T90 < 15 min

**Repeatability:** +/- 0.01 ppm<sub>v</sub> | +/-5ppb<sub>v</sub>

**Calibration:** traceable calibration certificate

**Display:** Optional: TFT 1,8" (shows ppm and °C dp)

### Electrical Specifications

**Output-Signal:** 0-10V or 4-20 mA (2-wire power source), RS232 (9600, 8, n, 1), RS485 [Modbus-RTU]

**Output:** ppm<sub>v</sub> | ppb<sub>v</sub>

**Scaled Analog-Output** 0-500 ppm<sub>v</sub> | 0-20,000 ppb<sub>v</sub> (or individually configurable via RS232)

**Power Supply:** 19-26 V DC

**Current Consumption:** 1.7 A max., depends from output signal

**Conformity:** CE, EN 61000-4-2 EN 61000-4-3, EN 61000-4-4, EN 55011, EN ISO 12100

### Operating Conditions

**Operating Temperature:** -10 bis 60°C

**Storage Temperature:** -10 bis 60°C

**Flow:** Ensuring constant flow speed!

**Operating Pressure:** 0-10 bar absolute, 0-10 m/s in case of inline-measuringing

### Mechanical Specifications

**Protection Level:** IP65

**Housing Material:** Stainless steel V2A, optional V4A and PVDF-measuring cell

**Sensor Material:** Pt-Interdigital structure on ceramic substrate, optional Pt-winding on glas/ceramic

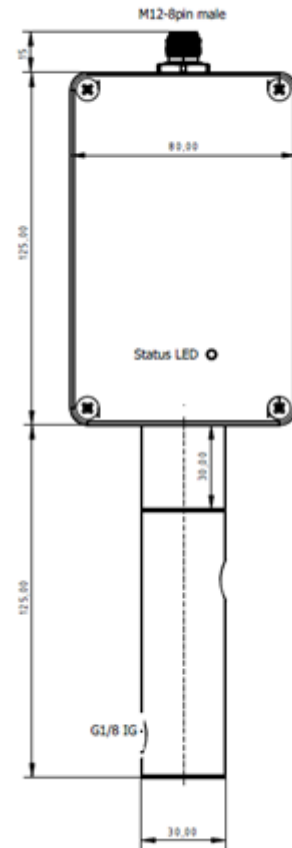
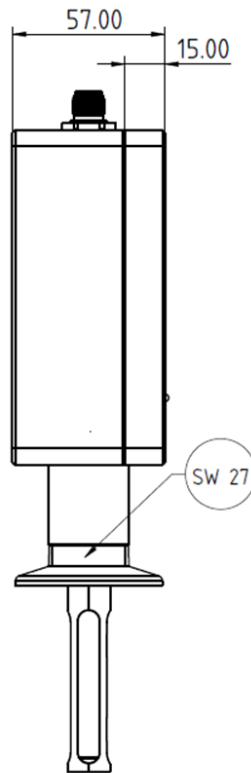
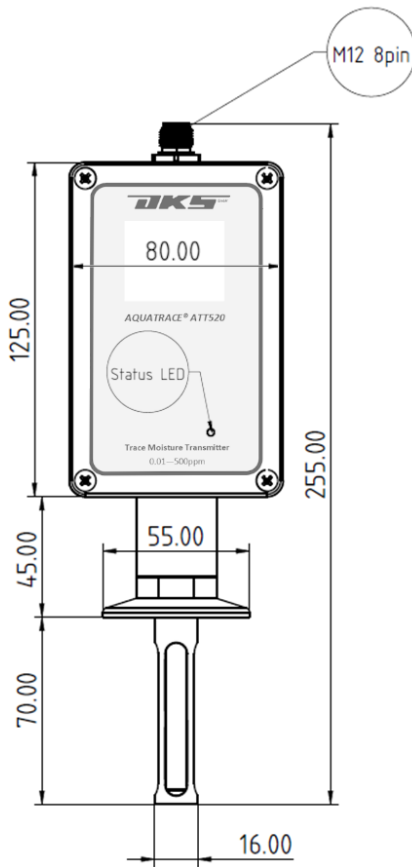
**Process Connection:** DN 40/25 KF flange, G1/2 for measuring cell with G1/8 Gas in/out

**E-Connection:** M12 8-pin, 3m wire with flying leads or M12 Plug with screw terminal connection

**Weight:** 0.6 kg

**Dimensions:** please have a look on page 3

## Dimensions



**Variant 1:** flange or G1/2" Thread

**Variant 2:** measuring cell 20NI/h

## Order code ATT520V.(D).(C/V).(20/500).(40KF/25KF/G12/).(R).(K20)

<b>AQUATRACE®- Transmitter</b>	ATT520V
<b>Transmitter variant</b>	
Display	D
Current signal 4-20mA	C
Power signal 0-10V	V
ppm-Measuring range	500
ppb-measuring range	20
material V2A	S
flange DN 40	40KF
flange DN 25	25KF
G 1/2"	G12
Remote Sensor	R
<b>Sensor variant</b>	
Round ceramic with Pt-Interdigital structure	K
Measuring cell	20