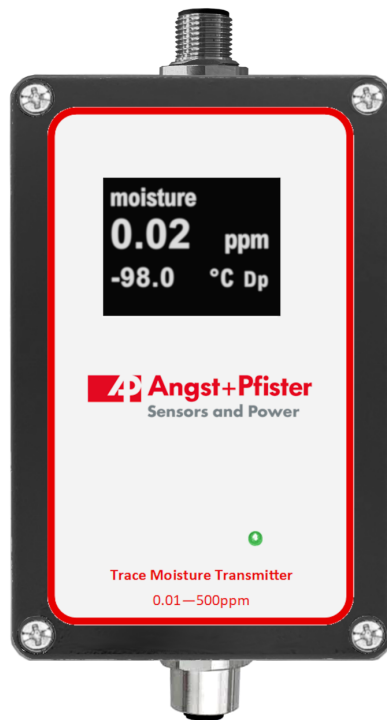


Technical Datasheet - APMT H₂O ppm tracer

P₂O₅ Inline trace moisture transmitter 0-500ppm_v



Product Features

- ✓ Measurement range 0-500 ppm_v
- ✓ Resolution 0,01 ppm_v
- ✓ Fast response
- ✓ Resistant to corrosive components
- ✓ Sensor with Pt-Interdigitate Structure
- ✓ No drift
- ✓ Easy to maintain, no follow-up costs

Typical applications

Humidity control in various applications:

- * Inert and protective gases
- * Additive Manufacturing
- * Metal Powders
- * Refrigerants
- * Glove-Boxes
- * Insulators
- * Vacuum applications

Technical Datasheet - APMT H₂O ppm tracer

Technical Specifications

Product: P₂O₅ Trace Moisture Transmitter 0-500 ppm_v

Performance Specifications

Measuring range: 0-500 ppm_v, dew-point -100 °C - 20 °C, other measuring ranges available on request

Accuracy: +/- 2 % of reading or min. +/- 0.08 ppm_v

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

Repeatability: +/- 0.04 ppm_v

Display: optional LCD-Display 1.8", white (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 or TTL

Output: ppm_v

Scaled Analog-Output 0-500 ppm_v (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-measuring

Mechanical Specifications

Protection Level: IP65

Housing Material: Electronic: Aluminium; Sensor-holder: V2A

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

Process Connection: G 1/2" (standard), DN25KF or DN40KF on request

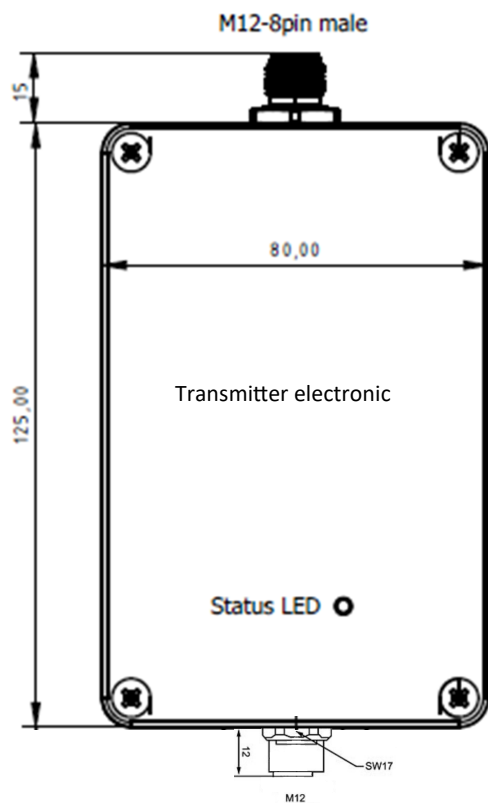
E-Connection: M12 8-pin, male, 3m wire with flying leads (power, analog-out, RS232)
from sensor head to transmitter electronic: Binder serie 712 female to M12 female , 5-polig

Weight: ~0.5 kg (electronic); ~0,2 kg (Messkopf)

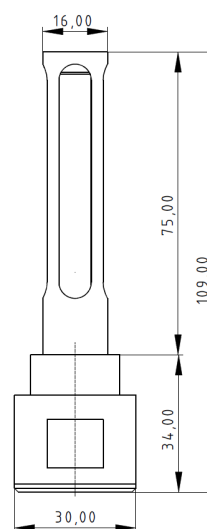
Dimensions: please have a look on page 3

Technical Datasheet - APMT H₂O ppm tracer

Dimensions



Sensor head



Binder Series 712, 5pin, female

Order code:

Trace moisture transmitter	Typ APMT-(C/V)-(D)-(G12/KF25/KF40)-(Split/MC)-K
Current signal 4-20mA	C (standard)
Power signal 0-10V	V
Display	D (standard)
G1/2"	G12 (standard)
DN25KF	KF25
DN40KF	KF40
Flange DN 40	KF 40
External sensor head	Split (standard)
Integrated measurement cell	MC
Sensor variant	
Round ceramic with Pt-Interdigitate structure	K (standard)

We are here for you. Addresses and Contacts.

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