

## Temperature and humidity measuring transducer AFT / ATFT for use in outdoor areas

ATFT Temperature / humidity measuring transformer, 0 – 10 V and 4 – 20 mA

AFT Humidity measuring transformer, 0 – 10 V and 4 – 20 mA, with passive temperature sensor



Technical data		Application
<b>Operating voltage:</b>	0 – 10 V 15...35 V = / ~ 4 – 20 mA 15...35 V = / ~	Specially suited for applications in the building automation-, refrigeration-, air conditioning and ventilating engineering or clean room technology sphere or for applications in greenhouses, medical spaces or for meteorological purposes.
<b>Measuring range (humidity):</b>	10...90% r. H.	
<b>Humidity related accuracy (at 20°C):</b>	+/- 3.5% r. H.	
<b>Temperature effect at 45 % r.h.</b>	-0.09 % r. H./K	
<b>Temperature measuring range:</b>	0...+50°C	
<b>Temperature related accuracy (at 20°C):</b>	+/- 0.5°C	
<b>Output signal equivalent to:</b>	0–10 V or 4 – 20 mA	
<b>0 ... 100 % r.h. 0 ... + 50°C:</b>	selectable via jumper	
<b>Ambient temperature:</b>	-5...+55°C	
<b>Storage temperature:</b>	-25...+60°C	
<b>Electromagnetic compatibility:</b>	EN50081-1 and EN50082-1	
<b>Connection:</b>	screw terminals (up to 1.5 mm <sup>2</sup> )	
<b>Degree of protection:</b>	IP 65	
<b>Housing colour:</b>	pure white, similar to RAL 9010	

Type	Item No.	Equipment	PG
<b>ATFT</b>	G9260410	Temperature/humidity 0–10 V/4–20 mA	S
<b>AFT/P100</b>	G9260510	Humidity 0–10 V/4–20 mA, temperature sensor PT100	S
<b>AFT/P1000</b>	G9260610	Humidity 0–10 V/4–20 mA, temperature sensor PT1000	S
<b>AFT/NI1000</b>	G9260710	Humidity 0–10 V/4–20 mA, temperature sensor NI1000	S

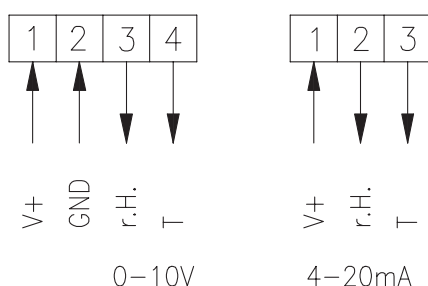
### Option

Temperature measuring range -20...+80°C available too (applies to ATFT)

Other temperature sensor types too available for models AFT...

Also available as duct version

### 0–10V / 4–20 mA, connection diagram



### Dimensioned drawing

