



Temperature Transmitter

TF5



TF5 wall version

Advantages

- Measures temperature from -100...600 °C
- Compatible with all PT100 with Binder 4 pole connector
- Freely programmable and scalable analog outputs
- Free evaluation and configuration with HygroSoft software

Applications

- Monitoring storage temperature of pharmaceutical drugs and vaccinations
- Pharmaceutical- and Industrial manufacturing
- Production-, storage- and drying processes



Proven housing

- Robust, industrial-quality housing (IP65)
- Wall mount version only
- With or without display

Power supply

- 2-wire 10...28 VDC
- 3/4-wire 15...40 VDC / 12...28 VAC

Outputs

- 2-wire (TF520), 3/4-wire (TF532/TF535) versions available
- The two analog outputs are freely selectable and scalable
- Analog signals on screw-terminal

Flexible choice of probes

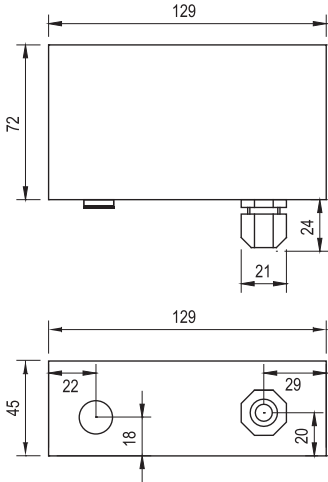
- Connection of a wide range of probes possible
- Compatible with all PT100 4-wire probes with Binder 4 pole connector



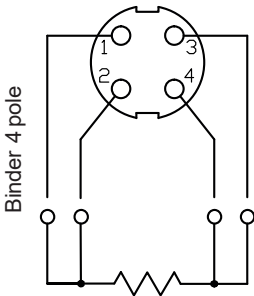
TECHNICAL INFORMATION

	TF520 2-wire	TF532 / TF535 3/4-wire
Temperature Probe	PT100 Class A probes, various types	
Initialization time	Typically > 4 sec.	Typically > 2 sec.
Measurement range	Probe dependent -100...600 °C	
Range of applications	-10...60 °C with display -40...60 °C without display	
Trend indicator	Yes	
Display resolution	Resolution to 2 decimal places	
Output signals analog	4...20 mA	Freely scalable by user 0...1/5/10 V, 0(4)...20 mA (TF532: 4...20 mA per default) (TF535: 0...10 V per default)
Cable connections	1 x M16 x 1.5, screw terminals	
Power supply	12...28 VDC	15...40 VAC 12...28 VDC
Circuit Type	2-wire	3/4-wire

TF520, TF532 and TF535
Wall version (W)



Connector pin-out



Current consumption	20 mA	< 30 mA
Load per analog output	Max. 500 Ω	Current: Max. 500 Ω Voltage : Min. 10 kΩ
Interface	UART	
Customer specific settings	HygroSoft free Software	
Data processing	HygroSoft Configuration Software	
Housing Material	Top: ABS Bottom: ABS	
Standards	CE Conformity 2014/30/EU	
GMP/ FDA Compliance	Conforms to FDA 21 CFR Part 11 and GAMP5	

PROBES & ACCESSOIRES FOR HYGROFLEX TRANSMITTERS

Order Code	Type
AC1900	Rod
AC1902	Insertion
AC1903	Cable
AC1904	
AC1916-A-T	
AC1909	Measurement in air
AC1913-A	Foil

Order Code	Type
AC1607/02	Extension cable for PT100, 2 m
AC1607/05	Extension cable for PT100, 5 m
AC1607/10	Extension cable for PT100, 10 m