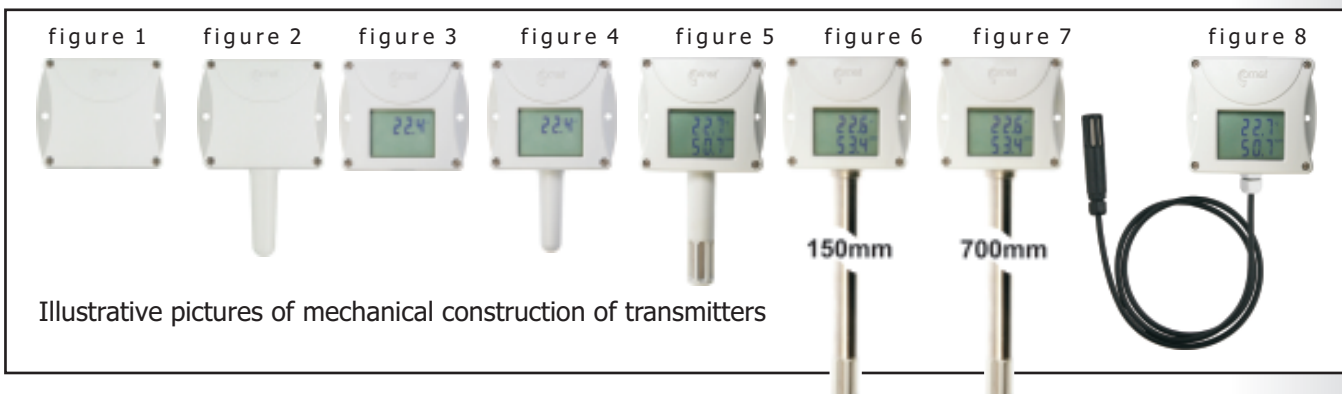


SELECTION TABLES OF TEMPERATURE, HUMIDITY, PRESSURE CO₂ TRANSMITTERS Txxxx, Pxxxx

INDUSTRIAL TRANSMITTERS of Txxxx, Pxxxx family:

MEASURED VALUE / OUTPUT	4 to 20mA	0 to 10V	RS485	RS232	Ethernet
temperature	P0120 figure 2 page 42	T4211 figure 3 page 47	T0410 figure 4 page 49	T0310 figure 4 page 51	P86xx figure 2 page 53
	Px1x1 figure 1 page 42		T4411 figure 3 page 49	T4311 figure 3 page 51	P85xx figure 2 page 55
	T0110 figure 4 page 43				T0510 figure 4 page 57
	T4111 figure 3 page 43				T4511 figure 3 page 59
humidity	T1110 figure 5 page 43				
atmospheric pressure	T2114 figure 3 page 45	T2214 figure 3 page 45	T2414 figure 3 page 49	T2314 figure 3 page 51	T2514 figure 3 page 59
temperature+humidity	T3110 figure 5 page 43	T0210 figure 5 page 47	T3411 figure 5 page 49	T3311 figure 5 page 51	T3510 figure 5 page 57
	T3113 figure 6 page 43	T0213 figure 6 page 47	T3413 figure 6 page 49	T3313 figure 6 page 51	T3511 figure 8 page 59
	T3117 figure 7 page 43	T0211 figure 8 page 47	T3417 figure 7 page 49	T3319 figure 8 page 51	
	T3111 figure 8 page 43		T3419 figure 8 page 49		
temperature+humidity +atmospheric pressure		T7410 figure 5 page 49	T7310 figure 5 page 51	T7510 figure 5 page 57	
CO ₂	T5140 figure 3 page 46	T5240 figure 3 page 47	T5440 figure 3 page 49	T5340 figure 3 page 51	T5540 figure 3 page 57
	T5141 figure 8 page 46	T5241 figure 8 page 47	T5441 figure 8 page 49	T5341 figure 8 page 51	T5541 figure 8 page 59
temperature+humidity+CO ₂			T6440 figure 5 page 49	T6340 figure 5 page 51	T6540 figure 5 page 57

Pxxxx, Txxxx



INTERIOR TRANSMITTERS of Txx18 family

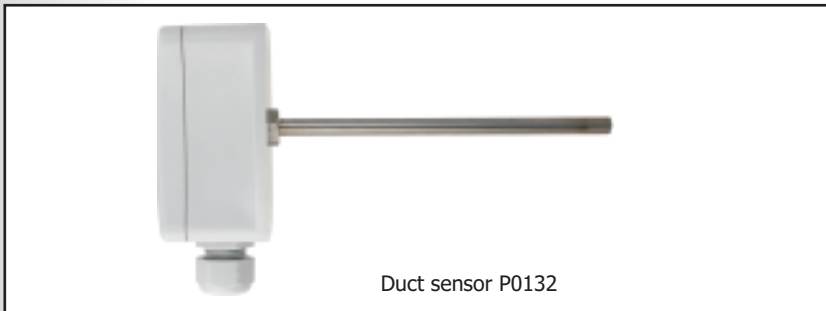
MEASURED VALUE / OUTPUT	4 to 20mA page 63	0 to 10V page 63	RS485 page 65	RS232 page 65
temperature	T0118	T0218	T0418	T0318
atmospheric pressure	T2118	T2218		
temperature + humidity	T3118	T3218	T3418	T3318
temperature + humidity + atmospheric pressure			T7418	T7318



P0120 - AMBIENT TEMPERATURE SENSOR with 4-20mA output for outdoor and indoor use

TECHNICAL PARAMETERS

Measuring and operating temperature range:	-30 to +80°C
Accuracy:	±0.4°C
Break of sensor:	> 24mA
Short circuit of sensor:	< 3.5mA
Dimensions (W x H x D):	approximately 88x150x39.5 mm
Protection:	IP65
Power:	9 to 30 V DC (typically 24 V)



TEMPERATURE TRANSDUCERS from Pt100, Pt1000 sensor to current loop 4-20mA

Transducers are designed for signal conversion from RTD Pt100 and Pt1000 sensor to linearized signal 4 to 20mA. Transducer is built in a robust watertight ABS case with cable glands.

TECHNICAL PARAMETERS

Operating temperature range:	-30 to +80°C
Break of sensor:	> 24mA
Short circuit of sensor:	< 3.5mA
Dimensions with glands (W x H x D):	approximately 88 x 123 x 39.5 mm
Protection:	IP65
Power:	9 to 30 V DC (typically 24 V)

AVAILABLE MODELS for Pt1000 two-wire connection:

- **P4141** range 4 to 20mA / -100 to +30°C, accuracy of the input ±0.3°C
- **P4191** range 4 to 20mA / -50 to +50°C, accuracy of the input ±0.3°C
- **P4121** range 4 to 20mA / -30 to +80°C, accuracy of the input ±0.3°C
- **P4151** range 4 to 20mA / 0 to +35°C, accuracy of the input ±0.2°C
- **P4131** range 4 to 20mA / 0 to +150°C, accuracy of the input ±0.3°C
- **P4161** range 4 to 20mA / 0 to +250°C, accuracy of the input ±0.4°C
- **P4171** range 4 to 20mA / 0 to +400°C, accuracy of the input ±0.7°C

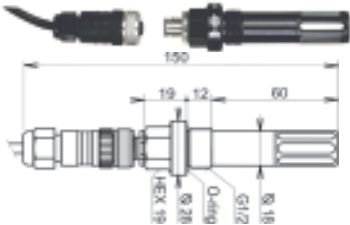








Transducers P41x1 are directly compatible with Comet temperature probes with the Pt1000 sensor with no connector - probe marking followed by /0.

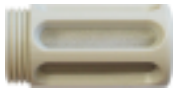



- **AVAILABLE MODELS for Pt100** two-wire, three-wire and two-wire with compensation loop connection:
- **P6181** range 4 to 20mA / -100 to +200°C, accuracy of the input ±0.3°C up to +100°C, ±0.4°C over +100°C

Included is traceable calibration certificate from the manufacturer, instruction manual. Calibration certificate with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard.

OPTIONAL ACCESSORIES FOR HUMIDITY TRANSMITTERS

<p>New - probe for compressed air</p>	<p>Order code</p>	
	<p>TxxxxP Hxxxx1P</p>	<p>Optional temperature, humidity, dew-point probe designed for compressed air measurement up to 25 bars. Cable lengths 1, 2 or 4m available. Length 110mm, diameter 18mm, G1/2 thread. Available with TxxxxP, HxxxxP transmitters.</p>
	<p>SH-PP</p>	<p>Flow chamber for compressed air measurement up to 25 bars - stainless steel DIN 1.430. Inlet and outlet connection - G1/8 thread. Humidity probe connection - G1/2 thread. Screw-coupling not included.</p>
	<p>TxxxxL HxxxxL</p>	<p>Transmitter version with watertight male connector IP67 Lumberg RSFM4 instead of cable gland for easy connection/disconnection of the output. Specify please your order with letter L behind model code - e.g. T3110L or H3020L</p>
	<p>K1427</p>	<p>Female connector ELKA 4012PG7 for TxxxxL, HxxxxL transmitters with male connector Lumberg for easy connection/disconnection of the output. Cable is easily connected to screw terminals of the connector. IP67 protection.</p>
	<p>without LCD</p>	<p>Transmitter version with blind lid without LCD. Specify please the requirement in your order.</p>
	<p>OEM</p>	<p>Transmitters are also available without Comet logo as OEM products. Specify please the requirement in your order. Minimum order of OEM transmitters without Comet logo is 100 pcs.</p>
	<p>F8000</p>	<p>Solar radiation shield for transmitters with T+RH probe on a cable.</p>

OPTIONAL ACCESSORIES FOR HUMIDITY TRANSMITTERS

	Order code	
	F5200	grey sensor cover with filter from stainless steel mesh, filtering ability 0,025mm
	F5200B	black sensor cover with filter from stainless steel mesh, filtering ability 0,025mm
	SP003	Cable for transmitter adjustment via USB port - for models Tx1xx, Tx2xx with analog outputs and models Hx0xx.
	PP4	flat plastic circular flange for duct mounting
	PP90	right-angled stain-less steel flange for wall mounting
	SP004	plastic gland for direct mounting of the humidity probe to a 29 mm diameter hole
	SP005	tool for easy wire connection to WAGO terminals Wago - for transmitters with current and voltage output
	SP006	tool for easy wire connection to WAGO terminals Wago - for Txxxx transmitters with serial output RS485 and RS232 and Hxxxx transmitters
	MD036	self adhesive Dual Lock for easy installation
	A1515	ac/dc adapter 230V-50Hz/12Vdc for Ethernet transmitters Tx5xx, Hx5xx - with co-axial connector
	A1510	ac/dc adapter 230V-50Hz/12Vdc for serial output Txxxx transmitters and Hxxxx transmitters - for connection to terminals
	MD046	ACCESSORIES FOR EASY RELATIVE HUMIDITY CALIBRATION AND ADJUSTMENT anodized duraluminum vessel for relative humidity calibration and adjustment
	HM023	set of 5 humidity standards 10% RH with 5 application pads
	HM024	set of 5 humidity standards 80% RH with 5 application pads