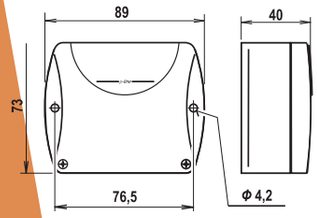
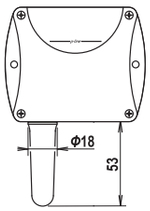
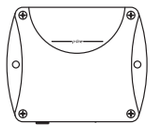
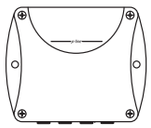
Web Sensoren p-Linie und deren technische Eigenschaften

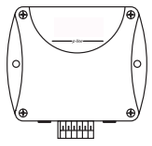
Parameter		Temperatur	Temperatur, rel. Feuchte			Strom - mA
SENSOR MODELL		EMP 8510 / EMP 8610	EMP 8511	EMP 8541/ EMP 8641	EMP 8552/ EMP 8652	EMP 2520
Temperatur	Messbereich	-30 ... +80°C /-20 ... +60°C	je nach Messfühler*	je nach Messfühler*	je nach Messfühler*	-
	Genauigkeit	±0.8°C (> -10°C) ±2°C (< -10°C)	je nach Messfühler*	je nach Messfühler*	je nach Messfühler*	-
relative Feuchtigkeit	Messbereich	-	je nach Messfühler*	je nach Messfühler*	je nach Messfühler*	-
	Genauigkeit	-	je nach Messfühler*	je nach Messfühler*	je nach Messfühler*	-
two - state input, no galvanic isolation		-	-	-	3	-
configuration Dry contact/ Voltage input		-	-	-	JA	-
current measuring range		-	-	-	-	0-25mA(max.30mA)
accuracy of current measurement		-	-	-	-	±0.1% FS from (0°C do +50°C) ±0.3% FS from (-30°C do+80°C)
resolution		-	-	-	-	1uA
input impedance		-	-	-	-	20Ω
supply voltage		9-30 V / 4,9 - 6,1V	9-30 V	9-30 V / 4,9 - 6,1V	4,9 - 6,1V	9-30 V
power over Ethernet (PoE)according to IEEE 802.3af		- / YES	-	- / YES	- / YES	-
recommended calibration interval		two years	je nach Messfühler*	je nach Messfühler*	je nach Messfühler*	two years
protection class of the case with electronics		IP30	IP30	IP30	IP30	IP30
temperature operating rangeof the case with electronics		-30 to +80°C /-20 to +60°C	-30 to +80°C	-30 to +80°C /-20 to +60°C	-20 to +60°C	-30 to +80°C
humidity operating range without condensation		0 do 100 %RV	0 do 100 %RV	0 do 100 %RV	0 do 100 %RV	0 do 100 %RV
mounting position		cower downward	any position	any position	any position	cower downward
storage temperature range		-30 do +80°C	-30 do +80°C	-30 do +80°C	-30 do +80°C	-30 do +80°C
electromagnetic compatibility		EN 61326-1 / EN 60950-1	EN 61326-1	EN 61326-1 / EN 60950-1	EN 61326-1	EN 61326-1, 55011, 55022
weight		130g / 145g	125g	135g/ 140g	140g/ 145g	150g

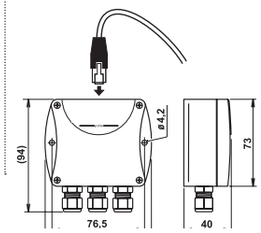












EMP2520

EMP 2520 two channel current loop converter is designed to connect sensors with output 4-20mA / 0-20 mA into Ethernet network. The current signal can be recalculated to physical values measured by the connected sensors. Sensors can be powered directly from the **EMP 2520** converter.

- » Measured values can be read by means of Ethernet connection.
- » The instrument may also send a warning message if the measured value exceeds adjusted limit.
- » The device setup can be made by the www interface.

signal input
0 - 20 mA

signal output
0 - 20 mA

power supply

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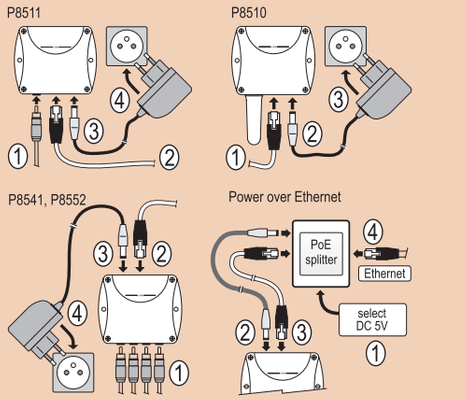
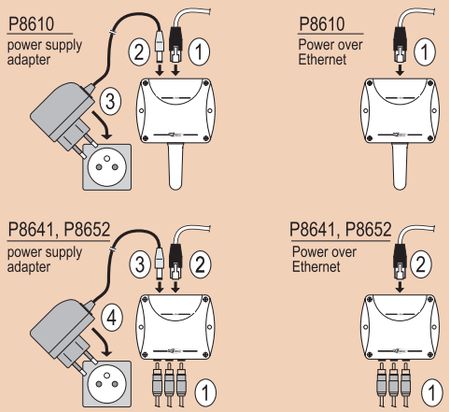
Web Sensoren p-Linie und deren technische Eigenschaften

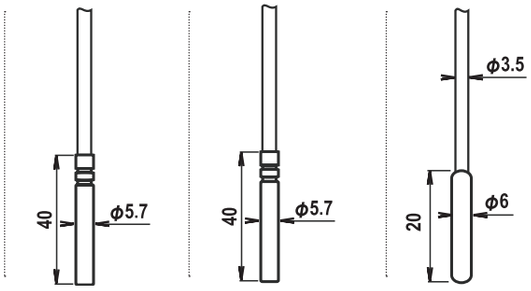
Sensor ohne PoE*
(*Power over Ethernet)



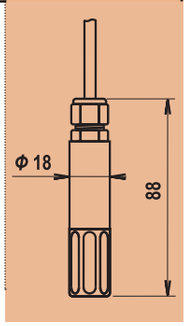
Sensor mit PoE*
(*Power over Ethernet)



Externe Messfühler		DSTG8/C	DSTGL40/C	DSTR162/C	DSRH
Temperatur	Messbereich	-50 bis +100°C	-30 bis +80°C	-30 bis +80°C	0 bis +50°C
	Genauigkeit	±0.5°C von -10 bis +80°C	±0.5°C von -10 bis +80°C	±0.5°C von -10 bis +80°C	±2°C
		sonst ±2°C	sonst ±2°C	sonst ±2°C	
relative Feuchtigkeit	Messbereich	-	-	-	0 bis 100%RH
	Genauigkeit (10% – 90% RH) bei 25°C	-	-	-	±3.5% RH
recommended calibration interval		two years	two years	two years	one year
IP class of case with electronics		IP67	IP67	IP67	IP40
humidity operating range without condensation		0 to 100 %RH	0 to 100 %RH	0 to 100 %RH	0 to 100 %RH
mounting position		any position	any position	any position	any position
sensor dimensions (diameter x length)		5.7 x 40mm	5.7 x 40mm	10 x 25mm	18 x 88mm



The maximum sum of the lengths of all probes is 40m.



Multi-channel unit allows the combination of several humidity and temperature probes.

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Kontakt ...
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