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DATA SHEET

TEU

Produal

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OUTDOOR TEMPERATURE SENSOR TEU KP 10

TEU KP 10 temperature sensor is designed for automatic HVAC systems to detect outdoor temperature.

Temperature is detected by a KP 10 sensor element with a nominal output of 2.73 V at 0 °C.

Housing is made of weather-proof plastic. The cover and the terminal blocks are tilted 45° to provide easy installation.

Sensor is mounted on the wall by means of screws through the lugs on the bottom.

Sensor voltage at different temperatures:

°C	V	°C	V
120	**3.93**	25	**2.98**
100	**3.73**	20	**2.93**
90	**3.63**	15	**2.88**
80	**3.53**	10	**2.83**
75	**3.48**	5	**2.78**
70	**3.43**	0	**2.73**
65	**3.38**	-5	**2.68**
60	**3.33**	-10	**2.63**
55	**3.28**	-15	**2.58**
50	**3.23**	-20	**2.53**
45	**3.18**	-25	**2.48**
40	**3.13**	-30	**2.43**
35	**3.08**	-40	**2.33**
30	**3.03**	-50	**2.23**



Technical data

sensor	KP 10, 2.73 V at 0 °C, 10 mV/K
housing	Plastic (< 120 °C)
protection class	IP54, cable entry down
cable entry	M16
range	-50...50 °C
accuracy	±0.5 °C at 0 °C
mounting	Ø 4.5 mm screws, hole distance 82 mm

Ordering guide:

Model	Product number	Description
TEU KP 10	117J090	outdoor temperature sensor, KP 10 element

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

Information is subject to change without prior notice.