

# Technical Data

TR1 Combisensor Temperature / rel. Humidity



## Combi Sensor "Standard"

The Adcon TR1 was developed in order to offer a highly accurate sensor with excellent long-term stability for a very competitive price. The sensor is virtually maintenance free and provides excellent long-term stability.

General:	
Supply Voltage	4.5 ... 15 VDC
Current consumption	< 1,5 mA typ.
Operating Temperature	-40°C ... +60°C -40°F ... +140°F
Operating Humidity	0 ... 100% rH
Material of radiation shield	PC
Mounting material	Aluminum tube, PC brackets, pipe clamps of W4 stainless steel
Material of sensor body	Tecapet
Protection class	IP65
Dimensions	L x W x H 450 x 100 x 170mm L x W x H 17.72 x 3.94 x 6.69 in.
Weight	600g / 1.3 lb.
Cable and Connector	3m cable with male 7-pin M9 Binder
Mounting	Mast mounting brackets for 40mm pole, with 2 pipe clamps 32-50mm

Relative Humidity:	
Measuring Range	0 ... 100%rH
Accuracy at +20°C	±1% rH from 0 - 90% rH ±2% rH from 90% - max. rH
Temperature dependence	±0.03% rH /°C
Long-term stability	<1% rH per year
Output signal	0 ... 2.5 V

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Sensor element	capacitance, with protective coating (HC01)
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Temperature:	
Measuring range	-40°C ... +60°C -40°F ... +140°F
Accuracy at +20°C	±0,1°C
Repeatability, Linearity, Temp. Dependence	±0,1°C
Output signal	0 ... 2.5V DC
Sensor element	pt1000 DIN A