



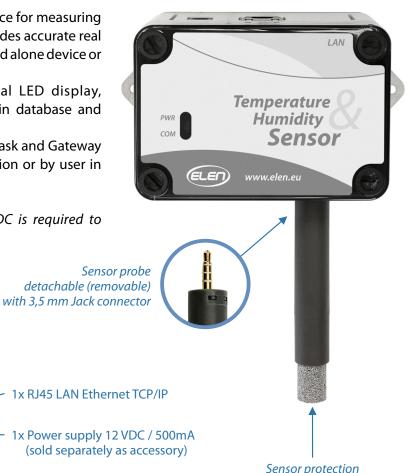
DATASHEET		
Product name	Air Temperature and Humidity Sensor	
Type / Model	THS Sensor 40 12DC LAN	
Order Code	ZZ0809-4.xx	Date of last revision: 31.08.2018

THS Sensor 40 12DC LAN is an electronic device for measuring air temperature and relative humidity. It provides accurate real time measurements and can function as a stand alone device or in connection with a large size LED display.

Measured values can be read by external LED display, viewed in Internet web browser or stored in database and evaluated on PC with DataLoggerTH software.

Its network parameters: IP address, Subnet mask and Gateway are set in factory as per customer speci-fication or by user in web browser.

External power supply adapter 230VAC/12VDC is required to power the sensor. (Order code: KTR-0020).



Connections



1x RJ45 LAN Ethernet TCP/IP

1x Power supply 12 VDC / 500mA (sold separately as accessory)

Sensor protection stainless steel sintered cap

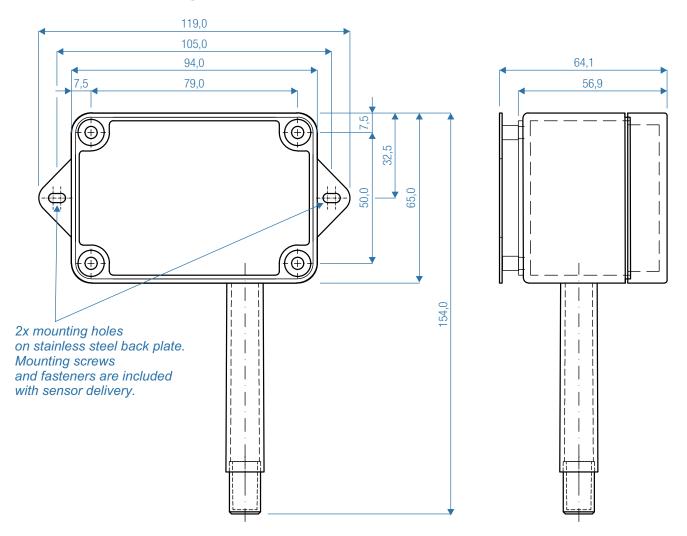
Temperature and Humidity Sensor Technical Specifications

Temperature measurement range	-30°C ~ +70°C
Temperature precision	$\pm 0,3$ °C typical, see graph No. 1 on page 2 for more information
Humidity measurement range	0% ~ 100%
Humidity precision	$\pm 2\%$ RH typical, see graph No. 2 on page 2 for more information
Communication interface	LAN, Ethernet
Communication protocol	TCP/IP (protocol describtion available on request)
Power supply	12 VDC / 500 mA by standard**, or other source 7 ~ 32 VDC
Class of protection	IP 40, suitable for indoor use only
Dimensions	119 mm x 154 mm x 64 mm (see dimensional drawing on page 2)
Sensor type	Sensirion SHT31

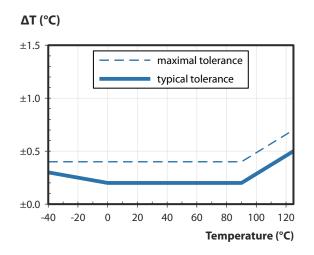
** Sensor is normally powered from an external power supply adapter, 230VAC/12VDC, order code: KTR-0020.

THS SENSOR 40 12DC LAN

Dimensional Drawing (mm)

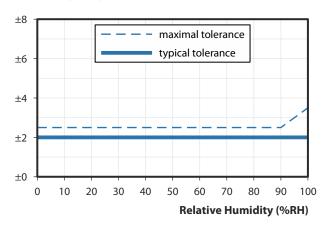


Graphs - Sensirion SHT31 parameters



Graph No. 1: Accuracy for temperature in °C.

ΔRH (%RH)



Graph No. 2: Accuracy for relative humidity at 25°C.

ELEN, s.r.o. Lubochnianska 16 080 06 Lubotice Slovakia Phone: +421 51 77 33 700 Mobile: +421 905 637 717 E-mail: sales@elen.sk http://www.elen.sk VAT No.: SK2020518104 Bank account for EUR currency: IBAN: SK50 7500 0000 0001 1330 0093 SWIFT/BIC: CEKOSKBX Registration in Commercial Register: District Court Presov, section Sro, insert No. 75/P