	ELEN, s.r.o., Lubochnianska 16, 080 06 Lubotice, Slovak Republic		
	DATASHEET		Datasheet number:
Product name	Temperature and Humidity Sensor	14090401	
Type / Model	THS SENSOR 54 12DC RS485 3.10		
Order code	ZZ0609-3.10	Date of last revision:	15.10.2015

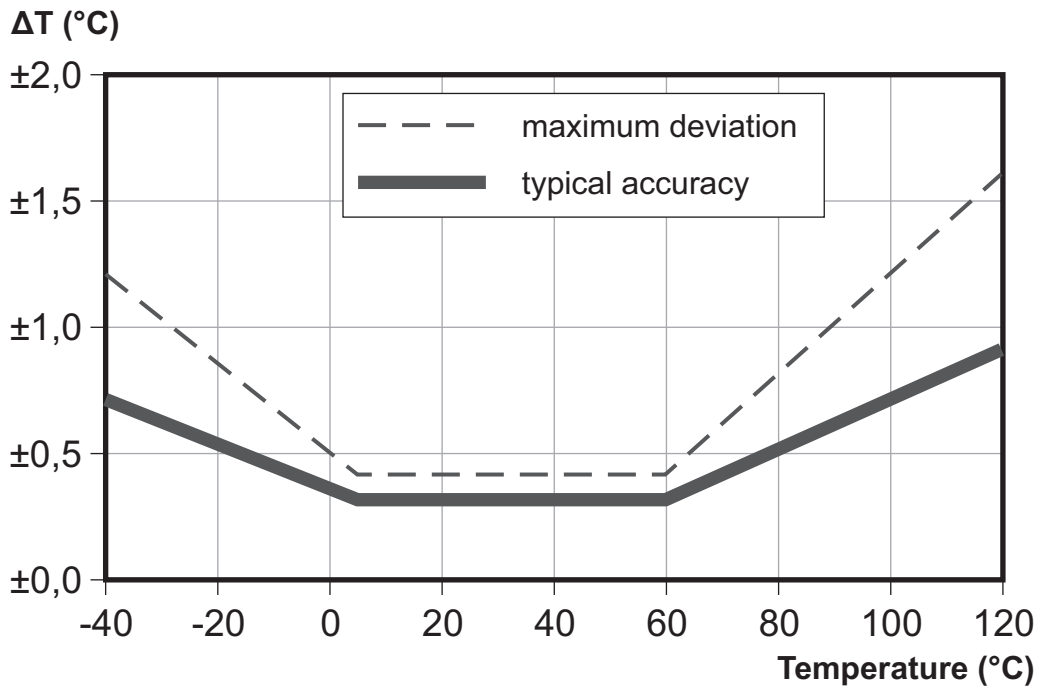
THS SENSOR 54 12DC RS485 3.10 is an electronic device for measuring air temperature and relative humidity. This sensor provides high precision measurement of real time actual values, which are transmitted into the master device (large-size display or computer) via RS485 serial line. PC software for logging and evaluating measured values is also available (under Windows OS).



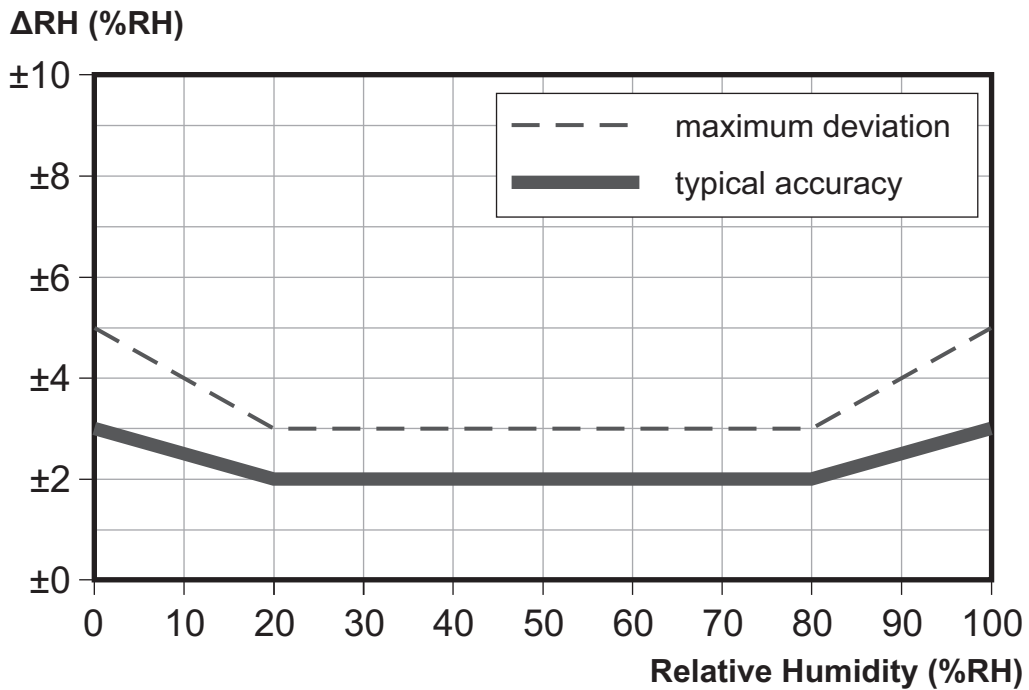
Temperature and Humidity Sensor Technical Specifications

Temperature measurement range	-35°C ~ +70°C
Temperature precision	±0.3°C typical, see graph No. 1 on page 2
Humidity measurement range	1% ~ 99%
Humidity precision	±2% RH typical, see graph No. 2 on page 2
Communication interface	RS485
Communication protocol	ELEN (communication protocol description available)
Power supply	9 ~ 24 VDC
Class of protection	IP 54 (suitable for indoor and outdoor use)
Dimensions	60 mm x 50 mm x 35 mm (without probe)
Cable length	5 m by standard, or as required (0 – 150 m)

Graphs



Graph No. 1: Typical and maximum tolerance for temperature sensor in °C.



Graph No. 2: Typical and maximum tolerance at 25°C for relative humidity.