

TTU48 - ACTIVE HUMIDITY-TEMPERATURE TRANSMITTERS

Active transmitters for the measurement of temperature, relative humidity and dew point temperature. Analog output and RS485 serial output ModBus RTU protocol versions. Analog output versions provide a signal suitable to be transmitted to a remote display, or recorder or a PLC. RS485 output versions are suitable for PC-PLC connection.

Applications

TTU48 check the temperature and humidity in the air conditioning and ventilation (HVAC / BEMS), in the pharmaceutical, museums, clean rooms, ventilation ducts, industrial and civil sectors, crowded places, cellars, auditoria, gyms, in animal farms, greenhouses, etc. The sensor of capacitive type temperature compensated ensures precise and reliable measurements over time. Range of standard temperature probe -20 ... + 80 ° C. On request critical applications range -40 ... + 150°C available. Sensor protected from dust and particles with stainless steel filter to 20µm, other models on demand. Factory calibration, no further adjustments are required by the user.

Versions:

- TO = duct mounting with horizontal probe,
- TV = for wall mounting, with vertical probe,
- TC = remote probe cable, 2, 5, 10 meters lengths.

Two different probes lengths of 135mm or 335mm.

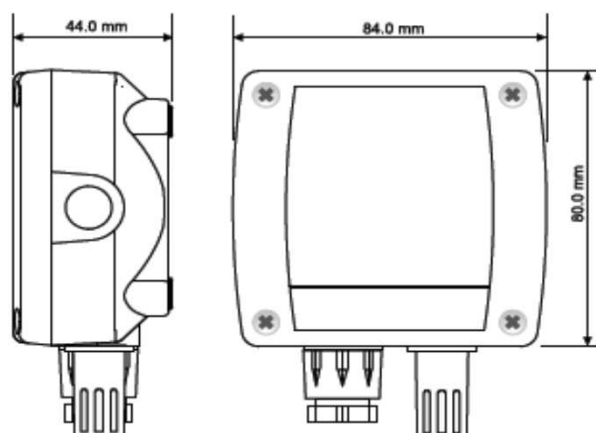
Display 4-digit LCD, optional



TV display version

TECHNICAL SPECIFICATIONS

Relative humidity sensor:	Capacitive
Measuring range:	0/100%RH
Accuracy:	+/-2% (10...90%RH), +/-2.5% in the remaining range +/-0.3°C (0...70°C) +/-0.4°C (-20...0°C, +70...+80°C), +/-0.3°C -40...+150°C
Repeatability:	0.4%RH - 0.05°C - 0.5°C TD
Sensor temperature:	standard -20...+80°C sensor NTC 10KOhm, option -40...+150°C sensor Pt100 class A
Enclosure dimensions:	80x84x44 mm
Power supply:	16...40Vdc or 24 Vac ±10%
Electronic work:	temperature 0-60°C for TV probes
Working temperature:	-20...+100°C for TC, TO probes
Protection class:	IP66



TV version



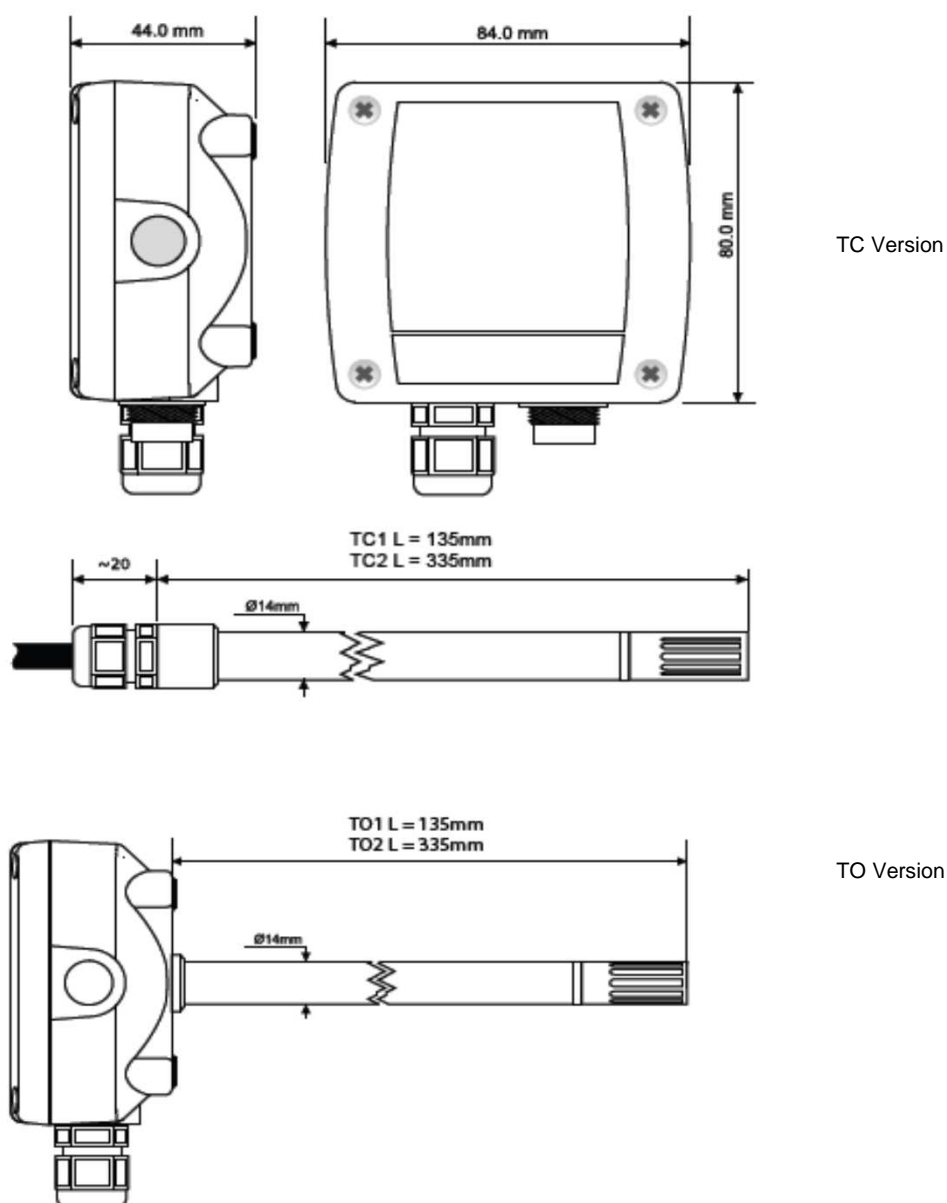
SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>

TTU48 - DIMENSIONS



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>