

Technical Data

General	
Housing	Plastic, polyacrylamide
Dimensions	199.5 x 37 x 37 (analog output plug) 203.5 x 37 x 37 (with switch output plug)
Rotation of housing	By 350° (to align display)
Protection class	IP 65
EMC	According to Directive 89/336 EEC
Operating temperature	-20 to +70 °C
Storage temperature	-40 to +80 °C
Sensor	
Humidity	Testo humidity sensor with recorded trace humidity adjustment at -40 °Ctpd
Temperature	NTC
Sensor protection	Stainless steel sintered filter
Measuring range	
Pressure dewpoint temperature (trace humidity)	-60 to +30 °Ctpd at pressure dewpoints < 0 °Ctpd display of frost point, at > 0 °Ctpd of dewpoint
Temperature	0 to 50 °C
Atmospheric dewpoint	-80 to -15 °Ctpd (at 30 bar rel.) - 70 to 10 °Ctpd (at 3 bar rel.) - 60 to +30 °Ctpd (at 0 bar rel.)
Pressure resistance	testo 6740: up to 50 bar absolute Measuring chamber 0554.3303: up to 15 bar absolute
Meas. uncertainty	
Humidity	+/-1 K at 0 °Ctpd +/-3 K at -20 °Ctpd +/-4 K at -40 °Ctpd
Temperature	+/-0.5 K (0 to 50 °C)
Analog outputs	
Signal	4 to 20 mA, two-wire system
Scaling	Freely scalable via display/buttons Standard: 4 to 20 mA = -60 to +30 °Ctpd
Output variables	°Ctpd, °Ftpd, °CtA, °FtA, % RH, ppmV, mg/m3, °C, °F
Resolution	12 Bit
Accuracy	+/-40 µA
Switch outputs (optional alarm plug, 0554.3302)	
Contacts	2 floating NO contacts, max. 30 V/0.5 A
Switch thresholds	Standard: 6 °/12 °Ctpd, with freely programmable display
Supply	
Voltage 24 V DC (10 to 30 V DC permissible);	with alarm plug (0554 3302) 20 to 28 V DC
Current consumption	21 mA (without alarm plug) 65 mA (with alarm plug)
Max. load	10 V DC: 100 ohm, 30 V DC: 950 ohm