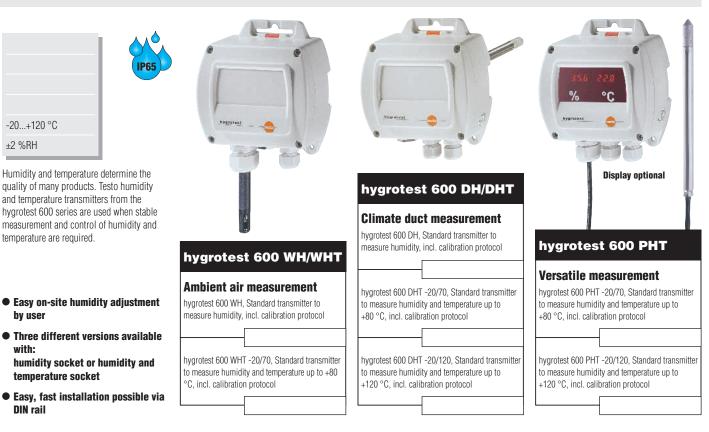


Standard transmitter



Transmitters and optional extras hygrotest 600 (optional, Standard)

Under Analog extpant Designation Edu Mri 20070 Edu	Outer		C00 11/11	C00 1///17	C00 DU	C00 DUT		COODUT	C00 DUZ
Analog orbjett Image: Second Cale register of the system of	Order code	Designation	600 WH	600 WHT -20/70	600 DH	600 DHT -20/70	600 DHT -20/120	600PHT -20/70	600 PHT -20/120
B1 4.20 mA (2 wire system) 4.20 mA (2 wire system) 4.20 mA (2 wire system) 9 lestic (PC) Plastic (PC) Plastic (PC) Plastic (PC) Plastic (PC) St. steel 1.4571 10									
B1 4.20 mA (2 wire system) Pisate (PC) Plastic (PC) Plastic (PC) Plastic (PC) Si steel 1.4571 Plastic (PC) Plastic (PC) Si steel 1.4571 Plastic (PC) Si steel 1.4571 Plastic (PC) Si steel 1.									
B1 4.20 mA (2 wire system) Pisate (PC) Plastic (PC) Plastic (PC) Plastic (PC) Si steel 1.4571 Plastic (PC) Plastic (PC) Si steel 1.4571 Plastic (PC) Si steel 1.4571 Plastic (PC) Si steel 1.		Analog output							
Probe Statel 1.4571 Probe State 1.4571 State 1.4571	B1								
C1 Probe length, Standard incl. sensor protection cap 66 mm 620 mm 200 mm 200 mm 100 mm 210 mm C2 Stainless steil special probe length. 100 mm, max. 800 mm)				_	_			_	
C2 Stainless steel special probe length (min. 80 mm, max. 800 mm) Image: Control of the cont		Probe material	Plastic (PC)	Plastic (PC)	Plastic (PC)	Plastic (PC)	St. steel 1.4571	Plastic (PC)	St. steel 1.4571
C3 Plastic special probe length 100 mm Image: Special prob length 100 mm <	C1	Probe length, Standard incl. sensor protection cap	65 mm	65 mm	200 mm	200 mm	200 mm	100 mm	210 mm
D1 Standard cable length 2 m (min. 250 mm; max. 2 m) Image: Construction 2 mm, max. 2 m) Image: Construction 2 mm, max. 2 m) Image: Construction 2 mm, max. 2 mm) Image: Construction 2 mm, max. 2 mm, max. 2 mm) Image: Construction 2 mm, max. 2 mm) Image: Construction 2 mm, max. 2 mm, max. 2 mm) Image: Construction 2 mm, max. 2	C2	Stainless steel special probe length (min. 80 mm; max. 800 mm)							
D2 Special cable length to probe thu (min. 250 mm; max. 2 m) Image: Construction caps	C3	Plastic special probe length 100 mm							
AjustmentAjustmentImage: starting of the st	D1	Standard cable length 2 m							
F1 Humidity adjustment ±2 %RH Mathematical States Mathmathmatical States	D2	Special cable length to probe tip (min. 250 mm; max. 2 m)							
Sensor protection caps Image: Control of the sense of th									
61 Stainless steel sintered filter 	F1								
62 Cap with wire mesh filter IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII									
63 Tellon sintered filter Important indicate the upper and lower scaling limits Important indicate the upper and lower scaling limits<			_	_				_	
64 Metal protection cage, open Image: constraint of the set			_			_	_	_	
65 ABS cap, open Image: constraint of the state			_		_	_	_	_	
Displays Instrument of the second of the secon									
H1 Two-line display - loop feed with limited load Image: mail of the maximum load Image: maximum load	G5								
H2 Two-line display – external teed with maximum load Image: Constraint of the second se			_		_	_			
H3 Two-line display with RS485 - no analog outputs possible Image: Constraint of the stability of			_		_	_	_	_	_
H4 Two-line display with RS485 – analog outputs possible Image: Constraint of the state			_				_		
H5 Two-line display with RS485 and 2 x 2 limit signal outputs – analog output spossible Image: Control of the signal outputs - analog output spossible Image: Control of the signal outputs - analog output spossible Image: Control of the signal outputs - analog output spossible Image: Control of the signal outputs - analog output spossible Image: Control of the signal outputs - analog output spossible Image: Control of the signal outputs - analog output spossible Image: Control of the signal output spossible Image: Control of the sign			_		_	_	_		
H6 Two-line display with 2 x 2 limit signal outputs – analog outputs possible I </td <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td>			_				_		
H7 One-line display - loop feed with limited load Image: Constraint of the set of			_		_				
Scaling			_			_	_	_	
K1 Standard scaling, channel 1; 420 mA \(\$\triangle100 \(\$\triangle RH\) Important: Indicate the upper and lower scaling limits Important: Indi	п/								
K2 Special scaling, channel 1; 420 mA &selected unit under "L" Important: indicate the upper and lower scaling limits Important: indicate the upper and lower	K1	-			-				
Important: indicate the upper and lower scaling limitsIIIIIIL1Relative humidity in %RHIIIIIIIIL2Dew point in °CtdIIIIIIIIIL3Dew point in °FtdII <td< td=""><td></td><td>-</td><td>_</td><td>-</td><td>_</td><td>_</td><td></td><td>_</td><td>-</td></td<>		-	_	-	_	_		_	-
L1 Relative humidity in %RH Image: Constraint of the constraint o	NZ								
L2 Dew point in °Ctd Image: Constraint of the constraint of	L1								
M1 Standard scaling, channel 2; 420 mA ≜ temperature scaling -20+70 °C -20+70 °C </td <td></td> <td></td> <td>_</td> <td>_</td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td>			_	_		_	_	_	
M2 Special scaling, channel 2; 420 mA &selected unit under "N" Important: indicate the upper and lower scaling limits Important: indicate the upper and lower scaling limits Import	L3								
Important: indicate the upper and lower scaling limits Important: indicate the upper and lower scaling limits N1 Temperature in °C	M1	Standard scaling, channel 2; 420 mA ≜ temperature scaling		-20+70 °C		-20+70 °C	-20+120 °C	-20+70 °C	-20+120 °C
	M2	Special scaling, channel 2; 420 mA ≙selected unit under "N"							
N2 Temperature in °F	N1								
	N2								

Part number for the hygrotest 600 product line: 0555 0600

%RH

°C

°C td

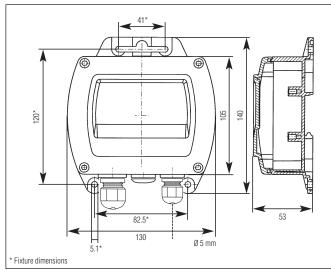


Applications, Technical Data, Practical Accessories



Typical applications: Clean rooms; air dehumidification systems; coating systems; air conditioning units; conditioning cabinets; food production; storage

Ordering data for Accessories	Part no.
Stainless steel flange for screw connections to DIN 2576	0554 1797
Holder for transmitter with lock	0554 1782
Control and adjustment set consisting of 11.3 %rF and 75.3 %RH saturated salt solutions, can be used several times	0554 0660
Reference set to adjust transmitter consists of: testo 650 hand-held instrument, 1 %RH humidity/temperature probe with certific connection cables and service case	On request cate,
Connection cable for adjusting the transmitter with testo 650 or testo 400 hand-held instrument, cable: 1.5 m long	0409 0214
ComSoft 3 for hygrotest transmitter for data management incl. database, analysis and graphics function, data analysis, trend curve, automatic storage of readings. Included in the package is the software and a level converter from RS485 to RS232. Only possible with a display with RS485 output.	0554 0842
Description of the RS232 interface of hygrotest 600 with connecting cable from transmitter to RS232 $$	0551 0167
Scaling adapter for hygrotest, consisting of: level converter, scaling software, Instruction Manual	On request
Spare level converter from RS485 to RS232	0554 9912
220 V - 24 V DC mains unit	0554 1742
Protection from moisture (aluminium) Protects sensor from condensation e.g. in drying systems	0554 0166
Stainless steel protection cap (sintered filter), pore size 100 µm Sensor protection in dusty atmospheres or at higher flow speeds	0554 0647
Protection cap made of wire mesh filter Protects sensor from large particles	0554 0757
Protection cap made of Teflon (sintered filter) Protects sensor when humidity levels high and atmospheres critical	0554 0756
Protection cap made of metal (open) Fast response time (not suitable in dusty atmospheres)	0554 0755
Protection cap made of Teflon With 1.5 mm condensate drip hole	0554 9913
Upgrade set for display consisting of display board, bolts, housing cover with window and detailed Instruction Manual	
ISO calibration certificate/Humidity At 11.3 %RH and 75.3 %RH	0520 0076
DKD calibration certificate/Humidity At 11.3 %RH and 75.3 %RH	0520 0246
Additional Ordering data for hygrotest 600 DH and 600 DHT	Part no.
Basic single hole duct screw connection made of plastic	0554 1793
Duct screw connection (aluminium/PVC)	0554 1794
Additional Ordering data for hygrotest 600 DHT -20/120 / PHT -20/120	Part no.
Pressure-tight screw connection 1/2"(stainless steel) with cutting ring to 30 bar	0554 1795
Pressure-tight screw connection 1/2" (stainless steel) with Teflon ring to 6 bar	0554 1796
Wall holder (aluminium coated)	0554 1798



Technical da	nta							
Housing:			Analog outputs:					
Material	ABS, colour grey (F	RAL 7035)	Humidity and	420) mA			
Dimensions	130 x 140 x 53 mm	1	temperature	(in 2	(in 2 wire system)			
Protection type	IP 65							
Screw connections	M16 x 1.5			Typical temperature dependencies of				
Ambient temp.	-20+70 °C		outputs		.002 mA/°C			
Storage temp.	-40+80 °C			(re	ferred to 25 °C)			
			Analog output /llumiditur					
Sensor:			Analog output/Humidity:					
Humidity	Testo humidity sens	sor	Resolution	0.02 mA				
Temperature	NTC		Accuracy		mA at +20 °C			
			Drift	0.001 mA/K				
Measurement ra	nge:		A					
Humidity	idity 0100 %RH		Analog output/Temperature:					
Temperature			Resolution	0.02 mA				
Version			Accuracy		14 mA			
600 WH			Drift	0.0	103 mA/K			
600 WHT -20/70 600 DH		_						
600 DHT -20/70	-20+80 °C		Power: 24 V DC (1030 V DC)					
600 DHT -20/120	-20+120 °C			24 V DC (1030 V DC)				
600 PHT -20/70	-20+80 °C		Power with	Mi	nimum 20 V DC			
600 PHT -20/120	-20+120 °C		display Max load	٨+	10.1/ 100.0			
			Max. load without display	At 10 V 100 Ω At 1830 V 500 Ω				
Accuracy:			Max. load	At 2030 V 100 Ω				
Humidity	±2 %RH	0(DU)	with display	7.0	2000 1 100 22			
	(in the range 090 ±3 %RH	%KH)						
	(in the range 901)	00 %RH)	Response time:					
Temperature	±0.3 °C (-20+50	· ·	t90 approx. 1020 s					
	1.5 % of reading (>	- 50 °C)						
			All data refer to a nominal temperature of					
			+22 °C					
Probe:								
Version	Material	Diameter	Length in	ncl.	Sensor			
			protectio		protection cap			
600 WH	PC	12 mm	65 mm		ABS slotted			
600 WHT -20/70	PC	12 mm	65 mm		ABS slotted			
600 DH	PC	12 mm	200 mm		St. steel sintered cap			
600 DHT -20/70 600 DHT -20/120	PC Stainless steel	12 mm 12 mm	200 mm 200 mm		St. steel sintered cap St. steel sintered cap			
600 PHT -20/70	PC	12 mm	100 mm		St. steel sintered cap			
600 PHT _20/120	Stainlass staal	12 mm	210 mm		St. steel sintered cap			

Stainless steel 12 mm

210 mm

St. steel sintered cap

600 PHT -20/120

%RH

295

°C

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°C td
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