



S+S REGELTECHNIK



HYGRASREG® HYGRASGARD®

HUMIDITY SENSORS/CONTROL SWITCHES
DIGITAL HUMIDITY SENSORS
WITH INTEGRATED TEMPERATURE SENSOR



PRODUCT RANGE 2024



FÜHLBARE PRÄZISION

HYGRASGARD® ON-WALL SENSORS



HYGRASGARD® AFF-SD
compact form,
without display

186,19 €



HYGRASGARD® AFF-SD
compact form,
with display

238,65 €



HYGRASGARD® AFF
without display

196,03 €



HYGRASGARD® AFF
with display

248,48 €

HYGRASGARD® AFF-SD HYGRASGARD® AFTF-SD

On-wall humidity sensors, **compact form** ($\pm 2.0\%$), *Standard*
On-wall humidity and temperature sensors, **compact form** ($\pm 2.0\%$), *Standard*

Type / WG01B	Measuring Range		Output		Display	Item No.	Price
	Humidity	Temperature	Humidity	Temperature	Housing		
AFF-SD	($\pm 2,0\%$)					IP 65 (compact form)	
AFF-SD-I	0...100% RH	-	4...20 mA	-	T1	1201-1122-0000-100	186,19 €
AFF-SD-I LCD	0...100% RH	-	4...20 mA	-	T1	■ 1201-1122-0200-000	238,65 €
AFF-SD-U	0...100% RH	-	0-10 V	-	T1	1201-1121-0000-100	186,19 €
AFF-SD-U LCD	0...100% RH	-	0-10 V	-	T1	■ 1201-1121-0200-000	238,65 €
AFTF-SD	($\pm 2,0\%$)					IP 65 (compact form)	
AFTF-SD-I	0...100% RH	-35...+75 °C -35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-1122-1000-100	190,13 €
AFTF-SD-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T1	■ 1201-1122-1200-100	242,57 €
AFTF-SD-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T1	1201-1121-1000-100	190,13 €
AFTF-SD-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T1	■ 1201-1121-1200-100	242,57 €

HYGRASGARD® AFF HYGRASGARD® AFTF

On-wall humidity sensors ($\pm 2.0\%$), *Standard*
On-wall humidity and temperature sensors ($\pm 2.0\%$), *Standard*

Type / WG02	Measuring Range		Output		Display	Item No.	Price
	Humidity	Temperature	Humidity	Temperature	Housing		
AFF	($\pm 2,0\%$)					IP 65	
AFF-I	0...100% RH	-35...+75 °C -35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	-	T2	1201-7112-0000-000	196,03 €
AFF-I LCD	0...100% RH	-	4...20 mA	-	T2	■ 1201-7112-0400-000	248,48 €
AFF-U	0...100% RH	-	0-10 V	-	T2	1201-7111-0000-000	196,03 €
AFF-U LCD	0...100% RH	-	0-10 V	-	T2	■ 1201-7111-0400-000	248,48 €
AFTF	($\pm 2,0\%$)					IP 65	
AFTF-I	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T2	1201-7112-1000-000	215,04 €
AFTF-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T2	■ 1201-7112-1400-000	267,49 €
AFTF-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	1201-7111-1000-000	215,04 €
AFTF-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	■ 1201-7111-1400-000	267,49 €
AFTF-U xx	($\pm 2,0\%$)			active / passive		IP 65	
AFTF-U xx	0...100% RH	(4x as above)	0-10 V	0-10 V + xx		see catalog	from 215,70 €

xx = passive sensor, e.g. Pt100, Pt1000, Ni, LM235Z, NTC

Housing: T1 = Tyr 1 / T2 = Tyr 2



HYGRASGARD® AFF-20

248,48 €

HYGRASGARD® AFF-20
with display

300,92 €

HYGRASGARD® AFF-25
pluggable measuring head

367,13 €

HYGRASGARD® ESFTF
Screw-in sensor
for high humidity

544,81 €

HYGRASGARD® AFF-20		On-wall humidity sensors (± 1,8%), Premium							
HYGRASGARD® AFTF-20		On-wall humidity and temperature sensors (± 1,8%), Premium							
Type / WG02	Measuring Range	Temperature	Output	Temperature	Display	Item No.	Price		
	Humidity		Humidity		Housing				
AFF-20	(± 1,8%)					IP 65			
AFF-20-I	0...100% RH	–	4...20 mA	–	T2	1201-7112-0000-201	248,48 €		
AFF-20-I LCD	0...100% RH	–	4...20 mA	–	T2	■ 1201-7112-0400-201	300,92 €		
AFF-20-U	0...100% RH	–	0-10 V	–	T2	1201-7111-0000-201	248,48 €		
AFF-20-U LCD	0...100% RH	–	0-10 V	–	T2	■ 1201-7111-0400-201	300,92 €		
AFTF-20	(± 1,8%)					IP 65			
AFTF-20-I	0...100% RH	–35...+75 °C –35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T2	1201-7112-1000-201	272,77 €		
AFTF-20-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T2	■ 1201-7112-1400-201	322,62 €		
AFTF-20-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	1201-7111-1000-201	272,77 €		
AFTF-20-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	■ 1201-7111-1400-201	322,62 €		
HYGRASGARD® AFF-25		On-wall humidity sensors, pluggable (± 1,8%), Deluxe							
HYGRASGARD® AFTF-25		On-wall humidity and temperature sensors, pluggable (± 1,8%), Deluxe							
Type / WG02	Measuring Range	Temperature	Output	Temperature	Display	Item No.	Price		
	Humidity		Humidity		Housing				
AFF-25	(± 1,8%)					IP 65 (pluggable)			
AFF-25-I	0...100% RH	–	4...20 mA	–	T2	1201-7132-0000-101	367,13 €		
AFF-25-I LCD	0...100% RH	–	4...20 mA	–	T2	■ 1201-7132-0400-101	418,45 €		
AFF-25-U	0...100% RH	–	0-10 V	–	T2	1201-7131-0000-101	367,13 €		
AFF-25-U LCD	0...100% RH	–	0-10 V	–	T2	■ 1201-7131-0400-101	418,45 €		
AFTF-25	(± 1,8%)					IP 65 (pluggable)			
AFTF-25-I	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T2	1201-7132-1000-101	389,42 €		
AFTF-25-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T2	■ 1201-7132-1400-101	440,75 €		
AFTF-25-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	1201-7131-1000-101	389,42 €		
AFTF-25-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	■ 1201-7131-1400-101	440,75 €		
HYGRASGARD® ESFTF		Screw-in humidity and temperature sensor for pressure systems							
Type / WG02	Measuring Range	Temperature	Output	Temperature	Display	Item no.	Price		
	Humidity (pluggable)		Humidity		Housing				
ESFTF NEW						IP 65			
ESFTF-I	0...100% RH (default) 0...80 g/m ³ (a.F.) 0...80 g/kg (MV) –20...+80 °C (TP)	0...+50 °C –20...+80 °C –30...+70 °C 0...+100 °C	4...20 mA	4...20 mA	T1	1201-2112-1000-000	544,81 €		
(further measuring ranges see catalogue)									
ESFTF-I LCD	(4x as above)	(4x as above)	4...20 mA	4...20 mA	T1	■ 1201-2112-1200-000	652,41 €		
ESFTF-U	(4x as above)	(4x as above)	0-10 V	0-10 V	T1	1201-2111-1000-000	544,81 €		
ESFTF-U LCD	(4x as above)	(4x as above)	0-10 V	0-10 V	T1	■ 1201-2111-1200-000	652,41 €		

Housing: T1 = Tyr 1 / T2 = Tyr 2



HYGRASGARD®
AFTF-Modbus-T3
without display

217,43 €



HYGRASGARD®
AFTF-Modbus-T3
with display

274,09 €

NEW



HYGRASGARD®
AFTF-35

738,13 €

HYGRASGARD® DUCT SENSORS



HYGRASGARD®
KFTF-Modbus-T3

215,41 €

HYGRASGARD® AFTF-Modbus-T3 HYGRASGARD® KFTF-Modbus-T3

On-wall-humidity- and temperature sensors ($\pm 2,0\%$)
Duct humidity- and temperature sensors ($\pm 2,0\%$) + ($\pm 1,8\%$)

Type / WG01	Measuring Range Humidity	Temperature	Output	Display Housing	Item No.	Price
AFTF-Modbus-T3	($\pm 2,0\%$)				IP 65	
AFTF-Modbus-T3	0...100% RH (default) 0...80 g/kg (MV) 0...80 g/m ³ (a.F.) 0...85 kJ/kg (ENT.) -20...+80 °C (TP)	-35...+80 °C	RS485	T3	1201-12C6-1000-000	217,43 €
AFTF-Modbus-T3 LCD	(5x as above)	-35...+80 °C	RS485	T3 ■	1201-12C6-1400-000	274,09 €
KFTF-Modbus-T3	($\pm 2,0\%$)				IP 65	
KFTF-Modbus-T3	(5x as above)	-35...+80 °C	RS485	T3	1201-32C6-1000-029	215,41 €
KFTF-Modbus-T3 LCD	(5x as above)	-35...+80 °C	RS485	T3 ■	1201-32C6-1400-029	272,06 €
KFTF-20-Modbus-T3	($\pm 1,8\%$)				IP 65	
KFTF-20-Modbus-T3	(5x as above)	-35...+80 °C	RS485	T3	1201-32C6-1000-030	281,59 €
KFTF-20-Modbus-T3 LCD	(5x as above)	-35...+80 °C	RS485	T3 ■	1201-32C6-1400-030	424,24 €

HYGRASGARD® AAVTF HYGRASGARD® KAVTF

On-wall outdoor humidity sensors ($\pm 2,0\%$)
Duct outdoor humidity sensors ($\pm 2,0\%$)

Type / WG01	Measuring Range Humidity (switchable)	Temperature	Output Humidity	Temperature	Display Housing	Item No.	Price
AAVTF / KAVTF	($\pm 2,0\%$)					IP 65	
AAVTF-I	0...100% RH (default) 0...80 g/kg (MV) 0...80 g/m ³ (a.F.) 0...85 kJ/kg (ENT.) -20...+80 °C (TP)	0...+50 °C (default) -20...+80 °C -35...+75 °C -35...+35 °C	4...20 mA	4...20 mA	T1	1201-1162-6000-028	211,75 €
<i>(further measuring ranges see catalogue)</i>							
AAVTF-I LCD	(5x as above)	(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-1162-6200-028	263,08 €
AAVTF-U	(5x as above)	(4x as above)	0-10V	0-10V	T1	1201-1161-6000-028	211,75 €
AAVTF-U LCD	(5x as above)	(4x as above)	0-10V	0-10V	T1 ■	1201-1161-6200-028	263,08 €
KAVTF-I	(5x as above)	(4x as above)	4...20 mA	4...20 mA	T1	1201-3162-6000-029	193,06 €
KAVTF-I LCD	(5x as above)	(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-3162-6200-029	255,36 €
KAVTF-U	(5x as above)	(4x as above)	0-10V	0-10V	T1	1201-3161-6000-029	193,06 €
KAVTF-U LCD	(5x as above)	(4x as above)	0-10V	0-10V	T1 ■	1201-3161-6200-029	255,36 €

HYGRASREG® AFTF-35 HYGRASREG® KFTF-35

Condensation-protected on-wall sensor for high humidity
Condensation-protected duct sensor for high humidity (not illustrated)

Type / WG01	Measuring Range Humidity (switchable)	Temperature	Outputs	Display Housing	Item No.	Price
AFTF-35 / KFTF-35 NEW					IP 65	
AFTF-35-I/W	0...100% RH (default) 0...25 g/m ³ (a.F.) 0...25 g/kg (MV) -20...+50 °C (TP) -20...+50 °C (FKT)	0...+50 °C (default) -20...+50 °C -20...+80 °C 0...+100 °C	3x 4...20 mA + 1x W	T2	1201-714B-1000-000	738,13 €
<i>(further measuring ranges see catalogue)</i>						
AFTF-35-I/W LCD	(5x as above)	(4x as above)	3x 4...20 mA + 1x W	T2 ■	1201-714B-1200-000	843,57 €
AFTF-35-U/W	(5x as above)	(4x as above)	3x 0-10V + 1x W	T2	1201-714A-1000-000	738,13 €
AFTF-35-U/W LCD	(5x as above)	(4x as above)	3x 0-10V + 1x W	T2 ■	1201-714A-1200-000	843,57 €
KFTF-35-I/W	(5x as above)	(4x as above)	3x 4...20 mA + 1x W	T2	1201-814B-1000-000	738,13 €
KFTF-35-I/W LCD	(5x as above)	(4x as above)	3x 4...20 mA + 1x W	T2 ■	1201-814B-1200-000	843,57 €
KFTF-35-U/W	(5x as above)	(4x as above)	3x 0-10V + 1x W	T2	1201-814A-1000-000	738,13 €
KFTF-35-U/W LCD	(5x as above)	(4x as above)	3x 0-10V + 1x W	T2 ■	1201-814A-1200-000	843,57 €

Housing: T2 = Tyr 2 / T3 = Tyr 3



HYGRASGARD® KFF-SD
with snap-on lid

167,18 €

HYGRASGARD® KFF
without display

179,64 €

HYGRASGARD® KFF
with display

232,09 €

HYGRASGARD® KFF-20
with display

300,92 €

HYGRASGARD® KFF-SD Humidity sensors ($\pm 2,0\%$) with snap-on lid, *Standard*
HYGRASGARD® KFTF-SD Humidity and temperature sensors ($\pm 2,0\%$) with snap-on lid, *Standard*

Type / WG01	Measuring Range		Output		Display Housing	Item No.	Price
	Humidity	Temperature	Humidity	Temperature			
KFF-SD	($\pm 2,0\%$)					IP 43 (snap-on lid)	
KFF-SD-I	0...100% RH	-	4...20 mA	-	T1	1201-3182-0000-029	167,18 €
KFF-SD-U	0...100% RH	-	0-10 V	-	T1	1201-3181-0000-029	167,18 €
KFTF-SD	($\pm 2,0\%$)					IP 43 (snap-on lid)	
KFTF-SD-I	0...100% RH	-35...+75 °C -35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-3182-1000-029	171,76 €
KFTF-SD-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T1	1201-3181-1000-029	171,76 €

HYGRASGARD® KFF Humidity sensors ($\pm 2,0\%$), *Standard*
HYGRASGARD® KFTF Humidity and temperature sensors ($\pm 2,0\%$), *Standard*

Type / WG01	Measuring Range		Output		Display Housing	Item No.	Price
	Humidity	Temperature	Humidity	Temperature			
KFF	($\pm 2,0\%$)					IP 65	
KFF-I	0...100% RH	-	4...20 mA	-	T1	1201-3112-0000-029	179,64 €
KFF-I LCD	0...100% RH	-	4...20 mA	-	T1	1201-3112-0200-029	232,09 €
KFF-U	0...100% RH	-	0-10 V	-	T1	1201-3111-0000-029	179,64 €
KFF-U LCD	0...100% RH	-	0-10 V	-	T1	1201-3111-0200-029	232,09 €
KFTF	($\pm 2,0\%$)					IP 65	
KFTF-I	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T1	1201-3112-1000-029	184,23 €
KFTF-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T1	1201-3112-1200-029	236,68 €
KFTF-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T1	1201-3111-1000-029	184,23 €
KFTF-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T1	1201-3111-1200-029	236,68 €
KFTF-U xx	($\pm 2,0\%$)			active / passive		IP 65	
KFTF-U xx	0...100% RH	(4x as above)	0-10 V	0-10 V + xx	T1	see catalog	from 191,44 €

xx = passive sensor, z.B. Pt100, Pt1000, Ni, LM235Z, NTC

HYGRASGARD® KFF-20 Humidity sensors ($\pm 1,8\%$), *Premium*
HYGRASGARD® KFTF-20 Humidity and temperature sensors ($\pm 1,8\%$), *Premium*

Type / WG02	Measuring Range		Output		Display Housing	Item No.	Price
	Humidity	Temperature	Humidity	Temperature			
KFF-20	($\pm 1,8\%$)					IP 65	
KFF-20-I	0...100% RH	-	4...20 mA	-	T1	1201-3112-0000-030	248,48 €
KFF-20-I LCD	0...100% RH	-	4...20 mA	-	T2	1201-8112-0400-030	300,92 €
KFF-20-U	0...100% RH	-	0-10 V	-	T1	1201-3111-0000-030	248,48 €
KFF-20-U LCD	0...100% RH	-	0-10 V	-	T2	1201-8111-0400-030	300,92 €
KFTF-20	($\pm 1,8\%$)					IP 65	
KFTF-20-I	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T1	1201-3112-1000-030	272,77 €
KFTF-20-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T2	1201-8112-1400-030	322,62 €
KFTF-20-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T1	1201-3111-1000-030	272,77 €
KFTF-20-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	1201-8111-1400-030	322,62 €

Housing: T1 = Tyr 1 / T2 = Tyr 2



HYGRASGARD® SHOWCASE SENSOR PENDULUM ROOM SENSORS



HYGRASGARD® RPFF-SD
without housing

160,80 €



HYGRASGARD® RPFF
without display

204,55 €



HYGRASGARD® RPFF
with display

260,45 €

The pendulum room sensor **HYGRASGARD® RPFF/RPFTF** is appropriate for ceiling and duct installation, or for integrating it into equipment and is used in non-aggressive dust-free environments in refrigeration, air conditioning and clean room technology, technical rooms, hotels and convention centres.

The showcase sensor **HYGRASGARD® VFF/VFTF** is specifically designed for installation in ceilings, walls, inside showcases or display cabinets in museums, galleries, cinemas or lecture halls or laboratories. The measuring element is contained inside a stainless steel probe and its low height (approx. 2.5 mm) makes it barely noticeable.

HYGRASGARD® VFF		Showcase humidity sensor, pluggable ($\pm 2,0\%$), Premium								
HYGRASGARD® VFTF		Showcase humidity- and temperature sensor, pluggable ($\pm 2,0\%$), Premium								
Type / WG02	Measuring Range	Humidity	Temperature	Output	Humidity	Temperature	Display Housing	Item No.	Price	
VFF	($\pm 2,0\%$)						IP 65 (pluggable)			
VFF-I	0...100% RH	–	–	4...20 mA	–	–	T1	1201-6122-0000-100	476,26 €	
VFF-I LCD	0...100% RH	–	–	4...20 mA	–	–	T1 ■	1201-6122-0200-100	528,78 €	
VFF-U	0...100% RH	–	–	0-10 V	–	–	T1	1201-6121-0000-100	476,26 €	
VFF-U LCD	0...100% RH	–	–	0-10 V	–	–	T1 ■	1201-6121-0200-100	528,78 €	
VFTF	($\pm 2,0\%$)						IP 65 (pluggable)			
VFTF-I	0...100% RH	–35...+75 °C	–35...+35 °C	4...20 mA	4...20 mA	–	T1	1201-6122-1000-100	480,54 €	
			0...+50 °C							
			0...+80 °C							
VFTF-I LCD	0...100% RH	(4 x as above)	(4 x as above)	4...20 mA	4...20 mA	–	T1 ■	1201-6122-1200-100	533,40 €	
VFTF-U	0...100% RH	(4 x as above)	(4 x as above)	0-10 V	0-10 V	–	T1	1201-6121-1000-100	480,54 €	
VFTF-U LCD	0...100% RH	(4 x as above)	(4 x as above)	0-10 V	0-10 V	–	T1 ■	1201-6121-1200-100	533,40 €	
HYGRASGARD® VFTF-Modbus-T3		Showcase humidity and temperature sensor ($\pm 2,0\%$), Premium								
Type / WG01	Measuring Range	Humidity	Temperature	Output	Humidity	Temperature	Display Housing	Item No.	Price	
VFTF-Modbus-T3	($\pm 2,0\%$)						IP 65 (pluggable)			
VFTF-Modbus-T3	0...100% RH	(default)	–35...+80 °C	RS485	–	–	T3	1201-6256-1000-000	556,65 €	
	0...80 g/kg	(MV)								
	0...80 g/m³	(a.F.)								
	0...85 kJ/kg	(ENT.)								
	–20...+80 °C	(TP)								
VFTF-Modbus-T3 LCD	(5 x as above)		–35...+80 °C	RS485	–	–	T3 ■	1201-6256-1400-000	616,72 €	

HYGRASGARD® RPFF-25
pluggable measuring head

426,13 €

HYGRASGARD® RPFF-25
pluggable measuring head,
with display

477,45 €



HYGRASGARD®
RPFTF-Modbus-T3
without display

305,21 €



HYGRASGARD®
RPFTF-Modbus-T3
with display

392,80 €

HYGRASGARD® RPFF-SD Pendulum room humidity sensors ($\pm 2,0\%$), *Standard*
 HYGRASGARD® RPFF Premium Pendulum room humidity sensors ($\pm 2,0\%$), *Premium*
 HYGRASGARD® RPFTF Pendulum room humidity and temperature sensors ($\pm 2,0\%$), *Premium*
 HYGRASGARD® RPFF-25 Pendulum room humidity sensors, **pluggable** ($\pm 1,8\%$), *Deluxe*
 HYGRASGARD® RPFTF-25 Pendulum room humidity and temperature sensors, **pluggable** ($\pm 1,8\%$), *Deluxe*

Type	Measuring Range		Output		Display Housing	Item No.	Price
	Humidity	Temperature	Humidity	Temperature			
RPFF-SD / WG01	($\pm 2,0\%$)					IP 65	
RPFF-SD-I	0...100% RH	–	4...20 mA	–	–	1201-1172-0000-150	160,80 €
RPFF / WG01	($\pm 2,0\%$)					IP 65	
RPFF-I	0...100% RH	–	4...20 mA	–	T1	1201-1172-0000-100	204,55 €
RPFF-U	0...100% RH	–	0-10 V	–	T1	1201-1171-0000-100	204,55 €
RPFF-xx LCD	0...100% RH	–	–	–	T1	Extra charge	51,32 €
RPFTF / WG01	($\pm 2,0\%$)					IP 65	
RPFTF-I	0...100% RH	–35...+75 °C –35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-1172-1000-100	209,13 €
RPFTF-U	0...100% RH	(4 x as above)	0-10 V	0-10 V	T1	1201-1171-1000-100	209,13 €
RPFTF-xx LCD	0...100% RH	(4 x as above)	–	–	T1	Extra charge	51,32 €
RPFF-25 / WG02	($\pm 1,8\%$)					IP 65 (pluggable)	
RPFF-25-I	0...100% RH	–	4...20 mA	–	T2	1201-7122-0000-100	426,13 €
RPFF-25-I LCD	0...100% RH	–	4...20 mA	–	T2	1201-7122-0400-100	477,45 €
RPFF-25-U	0...100% RH	–	0-10 V	–	T2	1201-7121-0000-100	426,13 €
RPFF-25-U LCD	0...100% RH	–	0-10 V	–	T2	1201-7121-0400-100	477,45 €
RPFTF-25 / WG02	($\pm 1,8\%$)					IP 65 (pluggable)	
RPFTF-25-I	0...100% RH	(4 x as above)	4...20 mA	4...20 mA	T2	1201-7122-1000-100	448,43 €
RPFTF-25-I LCD	0...100% RH	(4 x as above)	4...20 mA	4...20 mA	T2	1201-7122-1400-100	499,75 €
RPFTF-25-U	0...100% RH	(4 x as above)	0-10 V	0-10 V	T2	1201-7121-1000-100	448,43 €
RPFTF-25-U LCD	0...100% RH	(4 x as above)	0-10 V	0-10 V	T2	1201-7121-1400-100	499,75 €

HYGRASGARD® RPFTF-Modbus-T3 Pendulum room humidity and temperature sensors ($\pm 2,0\%$)
 HYGRASGARD® RPFTF-20-Modbus-T3 Pendulum room humidity and temperature sensors ($\pm 1,8\%$)

Type / WG01	Measuring Range	Temperature	Output	Display Housing	Item No.	Price	
RPFTF-Modbus-T3	($\pm 2,0\%$)				IP 65		
RPFTF-Modbus-T3	0...100% RH	(default)	–35...+80 °C	RS485	T3	1201-6246-1000-000	305,21 €
	0...80 g/kg	(MV)					
	0...80 g/m³	(a.F.)					
	0...85 kJ/kg	(ENT.)					
	–20...+80 °C	(TP)					
RPFTF-Modbus-T3 LCD	(5 x as above)	–35...+80 °C	RS485	T3	1201-6246-1400-000	392,80 €	
RPFTF-20-Modbus-T3	($\pm 1,8\%$)				IP 65		
RPFTF-20-Modbus-T3	(5 x as above)	–35...+80 °C	RS485	T3	1201-6246-1000-001	397,38 €	
RPFTF-20-Modbus-T3 LCD	(5 x as above)	–35...+80 °C	RS485	T3	1201-6246-1400-001	454,30 €	

Housing: T1 = Tyr 1 / T2 = Tyr 2 / T3 = Tyr 3

HYGRASREG® MECHANICAL

For use in dust-free,
non-polluted and
non-aggressive air



HYGRASREG® RH-2
with external control dial

85,49 €



HYGRASREG® RHT
with external control dial

218,09 €



HYGRASREG® KH-10
with external control dial

236,24 €

The mechanical and electronic hygrostats from S+S are designed for control and/or monitoring of relative humidity in residential, office, IT and manufacturing environments, in laboratories, indoor swimming pools and greenhouses as well as in climate and control cabinets, ventilation and air conditioning ducts, humidifying and dehumidifying systems.

As a two-position microswitch or room hygrostat including temperature controller, respectively, **HYGRASREG® RH-2** and **RHT** are equipped with a humidity measuring element made of plastic fibers.

In addition, the **HYGRASREG® RHT** room controller has bi-metal temperature sensor.

The **HYGRASREG® RH-2** room and the **HYGRASREG® KH-10** duct devices can also be used as minimum guards or maximum hygrostats.

HYGRASREG®		MECHANICAL			
Type	Setting Range	Features	Setting	Item No.	Price
RH-2 / WG01				IP 30	
RH-2	25...95 % RH	1x Changeover contact	external	1202-40C0-0010-000	85,49 €
RH-2 U	25...95 % RH	1x Changeover contact	internal	1202-40C0-0020-000	88,10 €
RHT / WG02				IP 30	
RHT-1	35...100 % RH, +10...+35 °C	Main switch	external	1202-4010-0000-000	218,09 €
KH-10 / WG01				IP 65	
KH-10	35...100 % RH	–	external	1202-3012-0010-000	236,24 €
KH-10 U	35...100 % RH	Setpoint adjuster covered	internal	1202-3012-0020-000	233,74 €

HYGRASREG® ELECTRONIC



HYGRASREG® AHT - 30
with display and
plastic sinter filter
242,89 €

HYGRASREG® AH - 40
with display and
plastic sinter filter
186,85 €

HYGRASREG® KHT - 30
with display and
plastic sinter filter
242,89 €

HYGRASREG® KH - 40
with display and
plastic sinter filter
188,09 €

HYGRASREG® RHT - 30
with display and
external setting
203,94 €

Our new **HYGRASREG® AHT-30 / KHT-30 / RHT-30** electronic on-wall, duct and room hygro-thermostats provide two continuous and two switched outputs for up to four different operating modes with adjustable switching thresholds. The spacious multi-line display in **Tyr2** housing alternates between actual humidity and temperature every 3 seconds. A durable, digital humidity sensor with integrated temperature sensor ensures a measuring accuracy of $\pm 3\%$ and $\pm 0.2\text{K}$.

All devices – including the **HYGRASREG® AH-40 / KH-40** single-step hygrostats in compact **Tyr1** housing – feature our innovative slotted/cross head bolting system with integrated arrest and spring geometry for spray water protection (IP65).

Standard delivery includes a plastic sinter filter.
Optionally, the devices can also be supplied or retrofitted with a metal sinter filter.

HYGRASREG®		ELECTRONIC					
Type	Setting Range	Features	Output	Setting	Display	Item No.	Price
AHT - 30 / WG02						IP 65	
AHT-30W-I LCD	5...95 % RH, -35...+80 °C	2x Changeover contact	2x 4...20 mA	internal	■	1202-7127-2421-000	242,89 €
AHT-30W-U LCD	5...95 % RH, -35...+80 °C	2x Changeover contact	2x 0-10 V	internal	■	1202-7127-1421-000	242,89 €
AH - 40 / WG01						IP 65	
AH-40W LCD	5...95 % RH	1x Changeover contact	–	internal	■	1202-1065-0221-000	186,85 €
KHT - 30 / WG02						IP 65	
KHT-30W-I LCD	5...95 % RH, -35...+80 °C	2x Changeover contact	2x 4...20 mA	internal	■	1202-8127-2421-000	242,89 €
KHT-30W-U LCD	5...95 % RH, -35...+80 °C	2x Changeover contact	2x 0-10 V	internal	■	1202-8127-1421-000	242,89 €
KH - 40 / WG01						IP 65	
KH-40W LCD	5...95 % RH	1x Changeover contact	–	internal	■	1202-3065-0221-000	188,09 €
RHT - 30 / WG02						IP 30	
RHT-30W U	5...95 % RH, +5...+45 °C	2x Changeover contact	1x 0-10 V	internal		1202-4077-1021-200	187,51 €
RHT-30W	5...95 % RH, +5...+45 °C	2x Changeover contact	1x 0-10 V	external		1202-4077-1011-200	190,26 €
RHT-30W LCD	5...95 % RH, +5...+45 °C	2x Changeover contact	1x 0-10 V	external	■	1202-4077-1211-200	203,94 €

HYGRASGARD® ROOM SENSORS ROOM CONTROL UNITS



HYGRASGARD® FSFM-U
246,67 €



HYGRASGARD® RFF
122,48 €



HYGRASGARD® RFTF-Modbus
with display
and potentiometer

245,85 €



HYGRASGARD® RFTF-Modbus
with LED-display,
push-buttons, rotary switches
and potentiometer

314,89 €

HYGRASGARD® Room, humidity and temperature sensors or measuring transducers

Type	Measuring Range		Output		Display Housing	Item No.	Price
	Humidity	Temperature	Humidity	Temperature			
RFF / RFTF (WG01)	(± 2,0%)					IP 30, on-wall	
RFF-I	0...100% RH	-	4...20 mA	-	B1	1201-41A2-0000-000	122,48 €
RFF-I LCD	0...100% RH	-	4...20 mA	-	B1 ■	1201-41A2-0200-000	179,64 €
RFF-U	0...100% RH	-	0-10 V	-	B1	1201-41A1-0000-000	122,48 €
RFF-U LCD	0...100% RH	-	0-10 V	-	B1 ■	1201-41A1-0200-000	179,64 €
RFTF-I	0...100% RH	0...+50 °C	4...20 mA	4...20 mA	B1	1201-41A2-1000-000	126,29 €
RFTF-I LCD	0...100% RH	0...+50 °C	4...20 mA	4...20 mA	B1 ■	1201-41A2-1200-000	183,57 €
RFTF-U	0...100% RH	0...+50 °C	0-10 V	0-10 V	B1	1201-41A1-1000-000	126,29 €
RFTF-U LCD	0...100% RH	0...+50 °C	0-10 V	0-10 V	B1 ■	1201-41A1-1200-000	183,57 €
RFTF-U xx	0...100% RH	0...+50 °C	0-10 V	0-10 V + xx	B1	see catalog	from 168,18 €
RFTF-U xx LCD	0...100% RH	0...+50 °C	0-10 V	0-10 V + xx	B1 ■	see catalog	extra charge 51,32 €
xx = passive sensor, e.g. Pt100, Pt1000, Ni, LM235Z, NTC							
FSFM / FSFTM (WG02)	(± 3,0%)					IP 20, in-wall	
FSFM-U	0...100% RH	-	0-10 V	-		1201-9121-0000-162	246,67 €
FSFTM-U	0...100% RH	0...+50 °C	0-10 V	0-10 V		1201-9121-1000-162	254,00 €

HYGRASGARD® Room, humidity and temperature sensors or measuring transducers with Modbus connection

Type	Measuring Range		Temperature	Output	Display Housing	Item No.	Price
	Humidity						
RTM 1 - Modbus (WG01)	(± 2,0%)					IP 30, on-wall	
RTM1-Modbus	-		0...+50 °C	RS485	B1	1101-42A6-0000-000	118,68 €
RTM1-Modbus LCD	-		0...+50 °C	RS485	B1 ■	1101-42A6-2000-000	175,72 €
RTM1-Modbus P	-		0...+50 °C	RS485	B1	1101-42A6-0001-005	156,03 €
RTM1-Modbus P LCD	-		0...+50 °C	RS485	B1 ■	1101-42A6-2001-005	281,00 €
RFTF - Modbus-xx (WG01)	(± 2,0%)					IP 30, on-wall	
RFTF-Modbus P	0...100% RH 0...80 g/kg 0...80 g/m³ 0...85 kJ/kg -20...+80 °C	(default) (MV) (a.F.) (ENT.) (TP)	0...+50 °C	RS485	B2	1201-42B6-6001-005	206,52 €
RFTF-Modbus P LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7001-005	245,85 €
RFTF-Modbus P 5L	(5x as above)		0...+50 °C	RS485		1201-42B6-6119-005	266,30 €
RFTF-Modbus P 5L LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7119-005	305,63 €
RFTF-Modbus P D5	(5x as above)		0...+50 °C	RS485		1201-42B6-6012-841	237,66 €
RFTF-Modbus P D5 5L	(5x as above)		0...+50 °C	RS485	B2	1201-42B6-6120-841	299,94 €
RFTF-Modbus P T D5 5L	(5x as above)		0...+50 °C	RS485	B2	1201-42B6-6121-841	314,89 €
RFTF-Modbus P T	(5x as above)		0...+50 °C	RS485		1201-42B6-6047-005	218,97 €
RFTF-Modbus P T LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7047-005	258,30 €
RFTF-Modbus P T 5L	(5x as above)		0...+50 °C	RS485		1201-42B6-6051-005	281,24 €
RFTF-Modbus P T 5L LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7051-005	320,58 €
FSFTM - Modbus-xx (WG02)	(± 3,0%)					IP 20, in-wall	
FSFTM-Modbus	(5x as above)		0...+50 °C	RS485		1201-9226-1000-162	299,18 €
FSFTM-Modbus P	(5x as above)		0...+50 °C	RS485		1201-9226-1400-282	323,61 €
Equipment:	P = Potentiometer (setpoint setter) T = Presence push-buttons			D5 = Rotary switch, 5-step 5L = LED display, multi-colour (5x)		Housing: B1 = Baldur 1 B2 = Baldur 2	

HYGRASREG® HYGRASGARD® CONTROL SWITCHES

For use in dust-free,
non-polluted and
non-aggressive air



HYGRASREG® KW-SD
with strap and
snap-on lid (IP54)
108,78 €



HYGRASREG® KW-W
with strap and
clear cover (IP65)
116,31 €



HYGRASREG® TW-W
with strap,
display and
clear cover (IP65)
182,11 €

HYGRASREG® LS-2
with 2 electrodes and
clear cover (IP65)
107,34 €



HYGRASREG® LS-4
with 2 electrodes and
clear cover (IP65)
121,51 €



**HYGRASGARD®
TW-external-Modbus-T3**
without Display (IP65)
214,63 €



HYGRASREG® KW condensation and **HYGRASREG® TW** dew point guards are mounted on chilled ceilings, chilled/cold water pipes or cooled surfaces. A durable, digital humidity sensor with integrated temperature sensor detects condensation or dew formation by means of pro-dynamic cross-convection (no conductivity measuring, S+S patent). **HYGRASREG® LS** leakage or water ingress detectors are available with 2 or (upright connecting) 4 electrodes. The clear-cover housing versions provide a visual control of the LED indicators inside the guard.

The new **HYGRASGARD® TW-Modbus-T3** device is designed for use in an overall monitoring and control system and, thanks to its patented measuring method using pro-dynamic cross convection, yields an exact measurement result.

HYGRASREG® & HYGRASGARD® CONTROL SWITCHES

Type	Measuring Range	Equipment	Sensor	Display	Item No.	Price
KW - SD / WG01B						IP 54 (snap-on lid)
KW-W-SD	ca. 93 % RH	Changeover contact	internal		1202-1075-0001-020	108,78 €
KW-W-SD extern	ca. 93 % RH	Changeover contact	external		1202-1075-0001-040	119,10 €
KW / WG01						IP 65 (clear cover)
KW-W	ca. 93 % RH	Changeover contact	internal		1202-1025-0001-020	116,31 €
KW-W-extern	ca. 93 % RH	Changeover contact	external		1202-1025-0001-040	141,26 €
TW / WG01						IP 65 (clear cover)
TW-W	75...100 % RH	Changeover contact	internal		1202-1015-0001-000	130,80 €
TW-W LCD	75...100 % RH	Changeover contact	internal	■	1202-1015-1201-020	182,11 €
TW-U	0...100 % RH	0-10 V	- internal		1201-1011-1001-020	135,77 €
TW-U/W	0...100 % RH	0-10 V + Changeover contact	internal		1202-1012-1001-020	155,69 €
TW-U/W LCD	0...100 % RH	0-10 V + Changeover contact	internal	■	1202-1012-1201-020	207,03 €
TW-W-extern	75...100 % RH	Changeover contact	external		1202-1015-0021-030	168,15 €
TW-W-extern LCD	0...100 % RH	0-10 V + Changeover contact	external	■	1202-1015-0221-030	219,46 €
TW-Modbus-T3 / WG01						IP 65 (Housing Tyr 3)
TW-Modbus-T3	0 ... 100% RH (default) 0 ... 80 g / kg (MV) 0 ... 80 g / m ³ (a.F.) 0 ... 85 kJ / kg (ENT.) -20...+80 °C (TP)		-35...+80 °C	RS485	1201-1281-3001-020	196,17 €
TW-Modbus-T3 LCD	(5 x as above)	(1 x as above)	RS485	■	1201-1281-3401-020	252,61 €
TW-extern-Modbus-T3	(5 x as above)	(1 x as above)	RS485		1201-1281-3001-030	214,63 €
TW-extern-Modbus-T3 LCD	(5 x as above)	(1 x as above)	RS485	■	1201-1281-3401-030	256,50 €
LS / WG01						IP 65 (clear cover)
LS-2 (2 electrodes)	Conductance > switching threshold	Changeover contact	internal		1202-1042-0000-000	107,34 €
LS-4 (4 electrodes)	Conductance > switching threshold	Changeover contact	internal		1202-1042-0000-100	121,51 €



S+S REGELTECHNIK



The new S+S company headquarters on a total area of 14,000m² in Nordostpark on the outskirts of Nuremberg offers a seamlessly integrated production and development environment with excellent air and road links.

S+S stands for a fully integral value chain. All products are designed, developed, manufactured and programmed in-house.

Development, manufacturing and sales in Nuremberg are certified by TÜV Thüringen according to DIN EN ISO 9001:2015 (quality management) and DIN EN ISO 14001:2015 (environmental management).

All devices are function tested as well as calibrated in-house prior to shipment and meet strict safety, quality and sustainability standards.



S+S REGELTECHNIK GMBH
THURN-UND-TAXIS-STR. 22
90411 NUREMBERG / GERMANY

PHONE +49 (0) 911 / 5 19 47-0

mail@SplusS.de

www.SplusS.de

Prices by S+S are understood plus legal value added tax at the respective rate in effect. All information provided without prejudice, technical modifications and price changes reserved. Reprints, even excerpts, are only permitted with the approval of S+S Regeltechnik GmbH.

You can find technical data and further information in our catalogue or web shop.



Order conveniently online: www.SplusS.de