



S+S REGELTECHNIK



HYGRASREG® HYGRASGARD®

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

RELIABLE PROTECTION
AGAINST HUMIDITY

PRODUCT RANGE 2021



JAHRE GARANTIE
★★★★★
YEARS WARRANTY

MADE IN GERMANY



FÜHLBARE PRÄZISION

HYGRASGARD® ON-WALL SENSORS



HYGRASGARD® AFF-SD
compact form,
without display

159,41 €



HYGRASGARD® AFF-SD
compact form,
with display

204,32 €



HYGRASGARD® AFF
without display

167,83 €



HYGRASGARD® AFF
with display

212,73 €

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% r. H.	–	4...20 mA	–	T1	1201-1122-0000-100	159,41 €
AFF-SD-I LCD	0...100% r. H.	–	4...20 mA	–	T1	■ 1201-1122-0200-000	204,32 €
AFF-SD-U	0...100% r. H.	–	0-10 V	–	T1	1201-1121-0000-100	159,41 €
AFF-SD-U LCD	0...100% r. H.	–	0-10 V	–	T1	■ 1201-1121-0200-000	204,32 €
AFTF-SD	($\pm 2,0\%$)					IP 65 (compact form)	
AFTF-SD-I	0...100% r. H.	–35...+75 °C –35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-1122-1000-100	162,78 €
AFTF-SD-I LCD	0...100% r. H.	(4x as above)	4...20 mA	4...20 mA	T1	■ 1201-1122-1200-100	207,68 €
AFTF-SD-U	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T1	1201-1121-1000-100	162,78 €
AFTF-SD-U LCD	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T1	■ 1201-1121-1200-100	207,68 €

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% r. H.	–35...+75 °C –35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	–	T2	1201-7112-0000-000	167,83 €
AFF-I LCD	0...100% r. H.	–	4...20 mA	–	T2	■ 1201-7112-0400-000	212,73 €
AFF-U	0...100% r. H.	–	0-10 V	–	T2	1201-7111-0000-000	167,83 €
AFF-U LCD	0...100% r. H.	–	0-10 V	–	T2	■ 1201-7111-0400-000	212,73 €
AFTF	($\pm 2,0\%$)					IP 65	
AFTF-I	0...100% r. H.	(4x as above)	4...20 mA	4...20 mA	T2	1201-7112-1000-000	184,11 €
AFTF-I LCD	0...100% r. H.	(4x as above)	4...20 mA	4...20 mA	T2	■ 1201-7112-1400-000	229,01 €
AFTF-U	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T2	1201-7111-1000-000	184,11 €
AFTF-U LCD	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T2	■ 1201-7111-1400-000	229,01 €
AFTF-U xx	($\pm 2,0\%$)			active / passive		IP 65	
AFTF-U xx	0...100% r. H.	(4x as above)	0-10 V	0-10 V + xx		see catalog	from 184,68 €

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

Housing: T1 = Tyr 1 / T2 = Tyr 2



HYGRASGARD® AFF-20

212,73 €

HYGRASGARD® AFF-20
with display

257,64 €

HYGRASGARD® AFF-25
pluggable measuring head

314,32 €

HYGRASGARD® AFF-25
pluggable measuring head,
with display

358,25 €

Depending on the series, **HYGRASGARD® on-wall and duct sensors** are available in **Tyr 1** (compact) or **Tyr 2** (wide) housings with or without display. They are supplied complete with a sinter filter in plastic (standard). A metal sinter filter in stainless steel can be ordered as optional accessory.

The duct sensor types feature our patented **PLEUROFORM™** multi-chamber duct pipe (optional protective version in stainless steel available upon request), and are supplied including a mounting flange for stable fitting.



HYGRASGARD® AFF-20		On-wall humidity sensors ($\pm 1.8\%$), <i>Premium</i>							
HYGRASGARD® AFTF-20		On-wall humidity and temperature sensors ($\pm 1.8\%$), <i>Premium</i>							
Type / WG02	Measuring Range	Humidity	Temperature	Output	Humidity	Temperature	Display Housing	Item No.	Price
AFF-20	($\pm 1.8\%$)							IP 65	
AFF-20-I	0...100% r. H.	–	–	4... 20 mA	–	–	T2	1201-7112-0000-201	212,73 €
AFF-20-I LCD	0...100% r. H.	–	–	4... 20 mA	–	–	T2 ■	1201-7112-0400-201	257,64 €
AFF-20-U	0...100% r. H.	–	–	0-10 V	–	–	T2	1201-7111-0000-201	212,73 €
AFF-20-U LCD	0...100% r. H.	–	–	0-10 V	–	–	T2 ■	1201-7111-0400-201	257,64 €
AFTF-20	($\pm 1.8\%$)							IP 65	
AFTF-20-I	0...100% r. H.	–35...+75 °C	–35...+35 °C	4... 20 mA	4... 20 mA	–	T2	1201-7112-1000-201	233,54 €
AFTF-20-I LCD	0...100% r. H.	(4x as above)	(4x as above)	4... 20 mA	4... 20 mA	–	T2 ■	1201-7112-1400-201	276,20 €
AFTF-20-U	0...100% r. H.	(4x as above)	(4x as above)	0-10 V	0-10 V	–	T2	1201-7111-1000-201	233,54 €
AFTF-20-U LCD	0...100% r. H.	(4x as above)	(4x as above)	0-10 V	0-10 V	–	T2 ■	1201-7111-1400-201	276,20 €
HYGRASGARD® AFF-25		On-wall humidity sensors, pluggable ($\pm 1.8\%$), <i>Deluxe</i>							
HYGRASGARD® AFTF-25		On-wall humidity and temperature sensors, pluggable ($\pm 1.8\%$), <i>Deluxe</i>							
Type / WG02	Measuring Range	Humidity	Temperature	Output	Humidity	Temperature	Display Housing	Item No.	Price
AFF-25	($\pm 1.8\%$)							IP 65 (pluggable)	
AFF-25-I	0...100% r. H.	–	–	4... 20 mA	–	–	T2	1201-7132-0000-101	314,32 €
AFF-25-I LCD	0...100% r. H.	–	–	4... 20 mA	–	–	T2 ■	1201-7132-0400-101	358,25 €
AFF-25-U	0...100% r. H.	–	–	0-10 V	–	–	T2	1201-7131-0000-101	314,32 €
AFF-25-U LCD	0...100% r. H.	–	–	0-10 V	–	–	T2 ■	1201-7131-0400-101	358,25 €
AFTF-25	($\pm 1.8\%$)							IP 65 (pluggable)	
AFTF-25-I	0...100% r. H.	(4x as above)	(4x as above)	4... 20 mA	4... 20 mA	–	T2	1201-7132-1000-101	333,41 €
AFTF-25-I LCD	0...100% r. H.	(4x as above)	(4x as above)	4... 20 mA	4... 20 mA	–	T2 ■	1201-7132-1400-101	377,34 €
AFTF-25-U	0...100% r. H.	(4x as above)	(4x as above)	0-10 V	0-10 V	–	T2	1201-7131-1000-101	333,41 €
AFTF-25-U LCD	0...100% r. H.	(4x as above)	(4x as above)	0-10 V	0-10 V	–	T2 ■	1201-7131-1400-101	377,34 €

Housing: T2 = Tyr 2

HYGRASGARD® DUCT SENSORS



HYGRASGARD®
AFTF-Modbus-T3
without display

186,16 €



HYGRASGARD®
AFTF-Modbus-T3
with display

234,67 €



HYGRASGARD®
KFTF-Modbus-T3

184,43 €



HYGRASGARD®
KFTF-Modbus-T3
with display

232,93 €

Thanks to their various configuration possibilities, our **HYGRASGARD® Modbus** as well as our **AAVTF / KAVTF** humidity sensors can be used to solve a wide range of measuring and control tasks with only one single device. They measure both relative humidity and ambient temperature. Based on these measured values, **further parameters** are calculated and can also be set for display.

HYGRASGARD® AFTF-Modbus-T3		On-wall-humidity- and temperature sensors (±2.0%)					
HYGRASGARD® KFTF-Modbus-T3		Duct humidity- and temperature sensors (±2.0%)					
HYGRASGARD® KFTF-20-Modbus-T3		Duct humidity- and temperature sensors (±1.8%)					
Type / WG01	Measuring Range	Temperature	Output	Display Housing	Item No.	Price	
AFTF-Modbus-T3	(±2,0%)				IP 65		
AFTF-Modbus-T3	0...100% r. H. (default) 0...80 g/kg (MV) 0...80 g/m³ (a.F.) 0...85 kJ/kg (ENT.) -20...+80 °C (TP)	-35...+80 °C	RS485	T3	1201-12C6-1000-000	186,16 €	
AFTF-Modbus-T3 LCD	(5x as above)	-35...+80 °C	RS485	T3 ■	1201-12C6-1400-000	234,67 €	
KFTF-Modbus-T3	(±2,0%)				IP 65		
KFTF-Modbus-T3	(5x as above)	-35...+80 °C	RS485	T3	1201-32C6-1000-029	184,43 €	
KFTF-Modbus-T3 LCD	(5x as above)	-35...+80 °C	RS485	T3 ■	1201-32C6-1400-029	232,93 €	
KFTF-20-Modbus-T3	(±1,8%)				IP 65		
KFTF-20-Modbus-T3	(5x as above)	-35...+80 °C	RS485	T3	1201-32C6-1000-030	241,08 €	
KFTF-20-Modbus-T3 LCD	(5x as above)	-35...+80 °C	RS485	T3 ■	1201-32C6-1400-030	363,21 €	
HYGRASGARD® AAVTF		On-wall outdoor humidity sensors (±2.0%)					
HYGRASGARD® KAVTF		Duct outdoor humidity sensors (±2.0%)					
Type / WG01	Measuring Range	Temperature	Output Humidity	Temperature	Display Housing	Item No.	Price
AAVTF	(±2,0%)					IP 65	
AAVTF-I	0...100% r. H. (default) 0...50 g/kg (MV) 0...80 g/kg (MV) 0...50 g/m³ (a.F.) 0...80 g/m³ (a.F.) 0...+50 °C (TP) -20...+80 °C (TP) 0...85 kJ/kg (ENT.)	0...+50 °C (default) -20...+80 °C -35...+75 °C -35...+35 °C	4...20 mA	4...20 mA	T1	1201-1162-6000-028	181,29 €
AAVTF-I LCD	(8x as above)	(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-1162-6200-028	225,24 €
AAVTF-U	(8x as above)	(4x as above)	0-10V	0-10V	T1	1201-1161-6000-028	181,29 €
AAVTF-U LCD	(8x as above)	(4x as above)	0-10V	0-10V	T1 ■	1201-1161-6200-028	225,24 €
KAVTF	(±2,0%)					IP 65	
KAVTF-I	(8x as above)	(4x as above)	4...20 mA	4...20 mA	T1	1201-3162-6000-029	165,29 €
KAVTF-I LCD	(8x as above)	(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-3162-6200-029	218,62 €
KAVTF-U	(8x as above)	(4x as above)	0-10V	0-10V	T1	1201-3161-6000-029	165,29 €
KAVTF-U LCD	(8x as above)	(4x as above)	0-10V	0-10V	T1 ■	1201-3161-6200-029	218,62 €
Extra charge:	Other non-standard ranges optional						131,81 €

Housing: T1 = Tyr 1 / T3 = Tyr 3



HYGRASGARD® KFF-SD
with snap-on lid

143,13 €

HYGRASGARD® KFF
without display

153,80 €

HYGRASGARD® KFF
with display

198,70 €

HYGRASGARD® KFF-20
with display

257,64 €

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 Humidity	Temperature	Output Humidity	Temperature	Display Housing	Item No.	Price
KFF-SD	($\pm 2,0\%$)				IP 43 (snap-on lid)		
KFF-SD-I	0...100% r. H.	-	4...20 mA	-	T1	1201-3182-0000-029	143,13 €
KFF-SD-U	0...100% r. H.	-	0-10 V	-	T1	1201-3181-0000-029	143,13 €
KFTF-SD	($\pm 2,0\%$)				IP 43 (snap-on lid)		
KFTF-SD-I	0...100% r. H.	-35...+75 °C -35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-3182-1000-029	147,06 €
KFTF-SD-U	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T1	1201-3181-1000-029	147,06 €

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

Type / WG01	Measuring Range Humidity	Temperature	Output Humidity	Temperature	Display Housing	Item No.	Price
KFF	($\pm 2,0\%$)				IP 65		
KFF-I	0...100% r. H.	-	4...20 mA	-	T1	1201-3112-0000-029	153,80 €
KFF-I LCD	0...100% r. H.	-	4...20 mA	-	T1 ■	1201-3112-0200-029	198,70 €
KFF-U	0...100% r. H.	-	0-10 V	-	T1	1201-3111-0000-029	153,80 €
KFF-U LCD	0...100% r. H.	-	0-10 V	-	T1 ■	1201-3111-0200-029	198,70 €
KFTF	($\pm 2,0\%$)				IP 65		
KFTF-I	0...100% r. H.	(4x as above)	4...20 mA	4...20 mA	T1	1201-3112-1000-029	157,72 €
KFTF-I LCD	0...100% r. H.	(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-3112-1200-029	202,64 €
KFTF-U	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T1	1201-3111-1000-029	157,72 €
KFTF-U LCD	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T1 ■	1201-3111-1200-029	202,64 €
KFTF-U xx	($\pm 2,0\%$)		active / passive		IP 65		
KFTF-U xx	0...100% r. H.	(4x as above)	0-10 V	0-10 V + xx	T1	see catalog	from 163,90 €

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 Humidity	Temperature	Output Humidity	Temperature	Display Housing	Item No.	Price
KFF-20	($\pm 1,8\%$)				IP 65		
KFF-20-I	0...100% r. H.	-	4...20 mA	-	T1	1201-3112-0000-030	212,73 €
KFF-20-I LCD	0...100% r. H.	-	4...20 mA	-	T2 ■	1201-8112-0400-030	257,64 €
KFF-20-U	0...100% r. H.	-	0-10 V	-	T1	1201-3111-0000-030	212,73 €
KFF-20-U LCD	0...100% r. H.	-	0-10 V	-	T2 ■	1201-8111-0400-030	257,64 €
KFTF-20	($\pm 1,8\%$)				IP 65		
KFTF-20-I	0...100% r. H.	(4x as above)	4...20 mA	4...20 mA	T1	1201-3112-1000-030	233,54 €
KFTF-20-I LCD	0...100% r. H.	(4x as above)	4...20 mA	4...20 mA	T2 ■	1201-8112-1400-030	276,20 €
KFTF-20-U	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T1	1201-3111-1000-030	233,54 €
KFTF-20-U LCD	0...100% r. H.	(4x as above)	0-10 V	0-10 V	T2 ■	1201-8111-1400-030	276,20 €

Housing: T1 = Tyr 1 / T2 = Tyr 2

HYGRASGARD® SHOWCASE SENSOR PENDULUM ROOM SENSORS



HYGRASGARD® RPFF-SD
without housing

137,68 €



HYGRASGARD® RPFF
without display

175,12 €



HYGRASGARD® RPFF
with display

219,06 €

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 HYGRASGARD® VFTF		Showcase humidity sensor, pluggable ($\pm 2,0\%$), Premium Showcase humidity- and temperature sensor, pluggable ($\pm 2,0\%$), Premium						
Type / WG02	Measuring Range		Output		Display	Item No.	Price	
	Humidity	Temperature	Humidity	Temperature	Housing			
VFF	($\pm 2,0\%$)					IP 65 (pluggable)		
VFF-I	0...100% r. H.	–	4...20 mA	–	T1	1201-6122-0000-100	407,75 €	
VFF-I LCD	0...100% r. H.	–	4...20 mA	–	T1 ■	1201-6122-0200-100	452,71 €	
VFF-U	0...100% r. H.	–	0-10 V	–	T1	1201-6121-0000-100	407,75 €	
VFF-U LCD	0...100% r. H.	–	0-10 V	–	T1 ■	1201-6121-0200-100	452,71 €	
VFTF	($\pm 2,0\%$)					IP 65 (pluggable)		
VFTF-I	0...100% r. H.	–35...+75 °C –35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-6122-1000-100	411,41 €	
VFTF-I LCD	0...100% r. H.	(4 x as above)	4...20 mA	4...20 mA	T1 ■	1201-6122-1200-100	456,67 €	
VFTF-U	0...100% r. H.	(4 x as above)	0-10 V	0-10 V	T1	1201-6121-1000-100	411,41 €	
VFTF-U LCD	0...100% r. H.	(4 x as above)	0-10 V	0-10 V	T1 ■	1201-6121-1200-100	456,67 €	
HYGRASGARD® VFTF-Modbus-T3		Showcase humidity and temperature sensor ($\pm 2,0\%$), Premium						
Type / WG01	Measuring Range		Output		Display	Item No.	Price	
	Humidity	Temperature			Housing			
VFTF-Modbus-T3	($\pm 2,0\%$)					IP 65 (pluggable)		
VFTF-Modbus-T3	0...100% r. H.	(default)	–35...+80 °C	RS485	T3	1201-6256-1000-000	449,82 €	
	0...80 g / kg	(MV)						
	0...80 g / m ³	(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	501,26 €	

HYGRASGARD® RPFF-25
pluggable measuring head

364,83 €

HYGRASGARD® RPFF-25
pluggable measuring head,
with display

408,77 €



HYGRASGARD®
RPFTF-Modbus-T3
without display

261,31 €



HYGRASGARD®
RPFTF-Modbus-T3
with display

309,55 €

HYGRASGARD® RPFF-SD Pendulum room humidity sensors ($\pm 2,0\%$), *Standard*
 HYGRASGARD® RPFF 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% r. H.	-	4...20 mA	-	-	1201-1172-0000-150	137,68 €
RPFF / WG01	($\pm 2,0\%$)					IP 65	
RPFF-I	0...100% r. H.	-	4...20 mA	-	T1	1201-1172-0000-100	175,12 €
RPFF-U	0...100% r. H.	-	0-10 V	-	T1	1201-1171-0000-100	175,12 €
RPFF-xx LCD	0...100% r. H.	-	-	-	T1	■ Extra charge	43,94 €
RPFTF / WG01	($\pm 2,0\%$)					IP 65	
RPFTF-I	0...100% r. H.	-35...+75 °C -35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-1172-1000-100	179,05 €
RPFTF-U	0...100% r. H.	(4 x as above)	0-10 V	0-10 V	T1	1201-1171-1000-100	179,05 €
RPFTF-xx LCD	0...100% r. H.	(4 x as above)	-	-	T1	■ Extra charge	43,94 €
RPFF-25 / WG02	($\pm 1,8\%$)					IP 65 (pluggable)	
RPFF-25-I	0...100% r. H.	-	4...20 mA	-	T2	1201-7122-0000-100	364,83 €
RPFF-25-I LCD	0...100% r. H.	-	4...20 mA	-	T2	■ 1201-7122-0400-100	408,77 €
RPFF-25-U	0...100% r. H.	-	0-10 V	-	T2	1201-7121-0000-100	364,83 €
RPFF-25-U LCD	0...100% r. H.	-	0-10 V	-	T2	■ 1201-7121-0400-100	408,77 €
RPFTF-25 / WG02	($\pm 1,8\%$)					IP 65 (pluggable)	
RPFTF-25-I	0...100% r. H.	(4 x as above)	4...20 mA	4...20 mA	T2	1201-7122-1000-100	383,93 €
RPFTF-25-I LCD	0...100% r. H.	(4 x as above)	4...20 mA	4...20 mA	T2	■ 1201-7122-1400-100	427,86 €
RPFTF-25-U	0...100% r. H.	(4 x as above)	0-10 V	0-10 V	T2	1201-7121-1000-100	383,93 €
RPFTF-25-U LCD	0...100% r. H.	(4 x as above)	0-10 V	0-10 V	T2	■ 1201-7121-1400-100	427,86 €

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% r. H.	(default)	-35...+80 °C	RS485	T3	1201-6246-1000-000	261,31 €
	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	309,55 €
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	313,47 €
RPFTF-20-Modbus-T3 LCD	(5 x as above)		-35...+80 °C	RS485	T3	■ 1201-6246-1400-001	362,20 €

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

73,19 €



HYGRASREG® RHT
with external control dial

146,50 €



HYGRASREG® KH-10
with external control dial

202,26 €

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 hygrometer 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					
RH-2	25...95 % r. H.	1x Changeover contact	external	1202-40C0-0010-000	73,19 €
RH-2 U	25...95 % r. H.	1x Changeover contact	internal	1202-40C0-0020-000	75,43 €
RHT / WG02					
RHT-1	35...100 % r. H., +10...+35 °C	Main switch	external	1202-4010-0000-000	146,50 €
KH-10 / WG01					
KH-10	35...100 % r. H.	–	external	1202-3012-0010-000	202,26 €
KH-10 U	35...100 % r. H.	Setpoint adjuster covered	internal	1202-3012-0020-000	200,11 €

HYGRASREG® ELECTRONIC



HYGRASREG® AHT-30
with display and
plastic sinter filter

207,95 €



HYGRASREG® AH-40
with display and
plastic sinter filter

159,97 €



HYGRASREG® KHT-30
with display and
plastic sinter filter

207,95 €



HYGRASREG® KH-40
with display and
plastic sinter filter

161,03 €



HYGRASREG® RHT-30
with display and
external setting

174,60 €

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 % r. H., -35...+80 °C	2x Changeover contact	2x 4...20 mA	internal	■	1202-7127-2421-000	207,95 €
AHT-30W-U LCD	5...95 % r. H., -35...+80 °C	2x Changeover contact	2x 0-10 V	internal	■	1202-7127-1421-000	207,95 €
AH-40 / WG01							IP 65
AH-40W LCD	5...95 % r. H.	1x Changeover contact	–	internal	■	1202-1065-0221-000	159,97 €
KHT-30 / WG02							IP 65
KHT-30W-I LCD	5...95 % r. H., -35...+80 °C	2x Changeover contact	2x 4...20 mA	internal	■	1202-8127-2421-000	207,95 €
KHT-30W-U LCD	5...95 % r. H., -35...+80 °C	2x Changeover contact	2x 0-10 V	internal	■	1202-8127-1421-000	207,95 €
KH-40 / WG01							IP 65
KH-40W LCD	5...95 % r. H.	1x Changeover contact	–	internal	■	1202-3065-0221-000	161,03 €
RHT-30 / WG02							IP 30
RHT-30W U	5...95 % r. H., +5...+45 °C	2x Changeover contact	1x 0-10 V	internal		1202-4077-1021-200	160,54 €
RHT-30W	5...95 % r. H., +5...+45 °C	2x Changeover contact	1x 0-10 V	external		1202-4077-1011-200	162,89 €
RHT-30W LCD	5...95 % r. H., +5...+45 °C	2x Changeover contact	1x 0-10 V	external	■	1202-4077-1211-200	174,60 €

HYGRASGARD® ROOM SENSORS ROOM CONTROL UNITS



HYGRASGARD® FSFM-U
211,19 €



HYGRASGARD® RFF
104,86 €



HYGRASGARD® RFTF-Modbus
with display
and potentiometer

210,48 €



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

269,59 €

HYGRASGARD® Room, humidity and temperature sensors or measuring transducers

Type	Measuring Range Humidity	Temperature	Output Humidity	Temperature	Display Housing	Item No.	Price
RFF / RFTF (WG01)	(± 2,0%)					IP 30, on-wall	
RFF-I	0...100% r. H.	–	4...20 mA	–	B1	1201-41A2-0000-000	104,86 €
RFF-I LCD	0...100% r. H.	–	4...20 mA	–	B1 ■	1201-41A2-0200-000	153,80 €
RFF-U	0...100% r. H.	–	0-10 V	–	B1	1201-41A1-0000-000	104,86 €
RFF-U LCD	0...100% r. H.	–	0-10 V	–	B1 ■	1201-41A1-0200-000	153,80 €
RFTF-I	0...100% r. H.	0...+50 °C	4...20 mA	4...20 mA	B1	1201-41A2-1000-000	108,12 €
RFTF-I LCD	0...100% r. H.	0...+50 °C	4...20 mA	4...20 mA	B1 ■	1201-41A2-1200-000	157,16 €
RFTF-U	0...100% r. H.	0...+50 °C	0-10 V	0-10 V	B1	1201-41A1-1000-000	108,12 €
RFTF-U LCD	0...100% r. H.	0...+50 °C	0-10 V	0-10 V	B1 ■	1201-41A1-1200-000	157,16 €
RFTF-U xx	0...100% r. H.	0...+50 °C	0-10 V	0-10 V + xx	B1	see catalog	from 143,98 €
RFTF-U xx LCD	0...100% r. H.	0...+50 °C	0-10 V	0-10 V + xx	B1 ■	see catalog	extra charge 43,94 €
xx = passive sensor, e.g. Pt100, Pt1000, Ni, LM235Z, NTC							
FSFM / FSFTM (WG02)	(± 3,0%)					IP 20, in-wall	
FSFM-U	0...100% r. H.	–	0-10 V	–		1201-9121-0000-162	211,19 €
FSFTM-U	0...100% r. H.	0...+50 °C	0-10 V	0-10 V		1201-9121-1000-162	217,46 €

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

Type	Measuring Range Humidity	Temperature	Output	Display Housing	Item No.	Price	
RTM 1 - Modbus (WG01)	(± 2,0%)				IP 30, on-wall		
RTM1-Modbus	–	0...+50 °C	RS485	B1	1101-42A6-0000-000	101,60 €	
RTM1-Modbus LCD	–	0...+50 °C	RS485	B1 ■	1101-42A6-2000-000	150,44 €	
RTM1-Modbus P	–	0...+50 °C	RS485	B1	1101-42A6-0001-005	133,59 €	
RTM1-Modbus P LCD	–	0...+50 °C	RS485	B1 ■	1101-42A6-2001-005	240,58 €	
RFTF - Modbus-xx (WG01)	(± 2,0%)				IP 30, on-wall		
RFTF-Modbus P	0...100% r. H. 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	176,81 €
RFTF-Modbus P LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7001-005	210,48 €
RFTF-Modbus P 5L	(5x as above)		0...+50 °C	RS485		1201-42B6-6119-005	227,99 €
RFTF-Modbus P 5L LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7119-005	261,67 €
RFTF-Modbus P D5	(5x as above)		0...+50 °C	RS485		1201-42B6-6012-841	203,47 €
RFTF-Modbus P D5 5L	(5x as above)		0...+50 °C	RS485	B2	1201-42B6-6120-841	256,79 €
RFTF-Modbus P T D5 5L	(5x as above)		0...+50 °C	RS485	B2	1201-42B6-6121-841	269,59 €
RFTF-Modbus P T	(5x as above)		0...+50 °C	RS485		1201-42B6-6047-005	187,47 €
RFTF-Modbus P T LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7047-005	221,15 €
RFTF-Modbus P T 5L	(5x as above)		0...+50 °C	RS485		1201-42B6-6051-005	240,79 €
RFTF-Modbus P T 5L LCD	(5x as above)		0...+50 °C	RS485	B2 ■	1201-42B6-7051-005	274,46 €
FSFTM - Modbus-xx (WG02)	(± 3,0%)				IP 20, in-wall		
FSFTM-Modbus	(5x as above)		0...+50 °C	RS485		1201-9226-1000-162	256,15 €
FSFTM-Modbus P	(5x as above)		0...+50 °C	RS485		1201-9226-1400-282	277,06 €
Equipment:	P = Potentiometer (setpoint setter) T = Presence push-buttons		D5 = Rotary switch, 5-step	Housing: B1 = Baldur 1 B2 = Baldur 2			
			5L = LED display, multi-colour (5x)				

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)
93,13 €



HYGRASREG® KW-W
with strap and
clear cover (IP65)
99,57 €



HYGRASREG® TW-W
with strap,
display and
clear cover (IP65)
155,92 €

HYGRASREG® LS-2
with 2 electrodes and
clear cover (IP65)

91,90 €

HYGRASREG® LS-4
with 2 electrodes and
clear cover (IP65)

104,03 €



**HYGRASGARD®
TW-external-Modbus-T3**
without Display (IP65)
183,76 €

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 % r. H.	Changeover contact	internal		1202-1075-0001-020	93,13 €
KW-W-SD extern	ca. 93 % r. H.	Changeover contact	external		1202-1075-0001-040	101,96 €
KW / WG01						IP 65 (clear cover)
KW-W	ca. 93 % r. H.	Changeover contact	internal		1202-1025-0001-020	99,57 €
KW-W-extern	ca. 93 % r. H.	Changeover contact	external		1202-1025-0001-040	120,94 €
TW / WG01						IP 65 (clear cover)
TW-W	75...100 % r. H.	Changeover contact	internal		1202-1015-0001-000	111,98 €
TW-W LCD	75...100 % r. H.	Changeover contact	internal	■	1202-1015-1201-020	155,92 €
TW-U	0...100 % r. H.	0-10 V	- internal		1201-1011-1001-020	116,24 €
TW-U/W	0...100 % r. H.	0-10 V + Changeover contact	internal		1202-1012-1001-020	133,30 €
TW-U/W LCD	0...100 % r. H.	0-10 V + Changeover contact	internal	■	1202-1012-1201-020	177,25 €
TW-W-extern	75...100 % r. H.	Changeover contact	external		1202-1015-0021-030	143,96 €
TW-W-extern LCD	0...100 % r. H.	0-10 V + Changeover contact	external	■	1202-1015-0221-030	187,89 €
TW-Modbus-T3 / WG01						IP 65 (Housing Tyr 3)
TW-Modbus-T3	0 ... 100% r. H. (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	167,95 €
TW-Modbus-T3 LCD	(5 x as above)	(1 x as above)	RS485	■	1201-1281-3401-020	216,27 €
TW-extern-Modbus-T3	(5 x as above)	(1 x as above)	RS485		1201-1281-3001-030	183,76 €
TW-extern-Modbus-T3 LCD	(5 x as above)	(1 x as above)	RS485	■	1201-1281-3401-030	219,60 €
LS / WG01						IP 65 (clear cover)
LS-2 (2 electrodes)	Conductance > switching threshold	Changeover contact	internal		1202-1042-0000-000	91,90 €
LS-4 (4 electrodes)	Conductance > switching threshold	Changeover contact	internal		1202-1042-0000-100	104,03 €



S+S REGELTECHNIK



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



A PASSION FOR INNOVATION

S+S Regeltechnik defines itself as a flexible and reliable partner for your requirements, from the single device to networked facility and industry automation. To us, innovation means to lead the market both in technology and in quality. This is how we back up your investment in products that express our passion for precision.

BROAD PORTFOLIO

Our sensors, transmitters, thermostats, hygrometers, monitors, controllers and room climate controllers for facility and industry engineering are designed to be multifunctional. This reduces the diversity of types and expands their application potential. Thanks to microprocessor technology, almost any measuring range can be represented, including custom specifications.

SUPERIOR QUALITY & CERTIFIED SAFETY

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

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

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- Kundenzufriedenheit
- Fortlaufende Verbesserung
- System- bzw. Prozesswirksamkeit

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Our development and production in Nuremberg, Germany, is certified by the Technical Inspection Authority (TÜV) in Thuringia to DIN EN ISO 9001:2015.



DIN tested and certified



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ESD compliant manufacturing



EAC certified



GOST certificates for export of all S+S products to CIS member states



CE compliant devices tested by external laboratories

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