



S+S REGELTECHNIK



HYGRASREG® HYGRAGARD®

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



PRODUCT RANGE 2023



FÜHLBARE PRÄZISION

HYGRASGARD® ON-WALL SENSORS



HYGRASGARD® AFF-SD
compact form,
without display

180,77 €



HYGRASGARD® AFF-SD
compact form,
with display

231,70 €



HYGRASGARD® AFF
without display

190,32 €



HYGRASGARD® AFF
with display

241,24 €

HYGRASGARD® AFF-SD		On-wall humidity sensors, compact form ($\pm 2.0\%$), <i>Standard</i>					
HYGRASGARD® AFTF-SD		On-wall humidity and temperature sensors, compact form ($\pm 2.0\%$), <i>Standard</i>					
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	180,77 €
AFF-SD-I LCD	0...100% RH	–	4...20 mA	–	T1 ■	1201-1122-0200-000	231,70 €
AFF-SD-U	0...100% RH	–	0-10 V	–	T1	1201-1121-0000-100	180,77 €
AFF-SD-U LCD	0...100% RH	–	0-10 V	–	T1 ■	1201-1121-0200-000	231,70 €
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	184,59 €
AFTF-SD-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-1122-1200-100	235,50 €
AFTF-SD-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T1	1201-1121-1000-100	184,59 €
AFTF-SD-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T1 ■	1201-1121-1200-100	235,50 €
HYGRASGARD® AFF		On-wall humidity sensors ($\pm 2.0\%$), <i>Standard</i>					
HYGRASGARD® AFTF		On-wall humidity and temperature sensors ($\pm 2.0\%$), <i>Standard</i>					
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	190,32 €
AFF-I LCD	0...100% RH	–	4...20 mA	–	T2 ■	1201-7112-0400-000	241,24 €
AFF-U	0...100% RH	–	0-10 V	–	T2	1201-7111-0000-000	190,32 €
AFF-U LCD	0...100% RH	–	0-10 V	–	T2 ■	1201-7111-0400-000	241,24 €
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	208,78 €
AFTF-I LCD	0...100% RH	(4x as above)	4...20 mA	4...20 mA	T2 ■	1201-7112-1400-000	259,70 €
AFTF-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	1201-7111-1000-000	208,78 €
AFTF-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T2 ■	1201-7111-1400-000	259,70 €
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 209,42 €
xx = passive sensor, e.g. Pt100, Pt1000, Ni, LM235Z, NTC							
Housing: T1 = Tyr 1 / T2 = Tyr 2							



HYGRASGARD® AFF-20

241,24 €



HYGRASGARD® AFF-20
with display

292,16 €



HYGRASGARD® AFF-25
pluggable measuring head

356,44 €



HYGRASGARD® AFF-25
pluggable measuring head,
with display

406,26 €

HYGRASGARD® AFF-20		On-wall humidity sensors(± 1,8 %), <i>Premium</i>					
HYGRASGARD® AFTF-20		On-wall humidity and temperature sensors (± 1,8 %), <i>Premium</i>					
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	241,24 €
AFF-20-I LCD	0...100% RH	–	4... 20 mA	–	T2 ■	1201-7112-0400-201	292,16 €
AFF-20-U	0...100% RH	–	0-10 V	–	T2	1201-7111-0000-201	241,24 €
AFF-20-U LCD	0...100% RH	–	0-10 V	–	T2 ■	1201-7111-0400-201	292,16 €
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	264,83 €
AFTF-20-I LCD	0...100% RH	(4x as above)	4... 20 mA	4... 20 mA	T2 ■	1201-7112-1400-201	313,22 €
AFTF-20-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	1201-7111-1000-201	264,83 €
AFTF-20-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T2 ■	1201-7111-1400-201	313,22 €
HYGRASGARD® AFF-25		On-wall humidity sensors, pluggable (± 1,8 %), <i>Deluxe</i>					
HYGRASGARD® AFTF-25		On-wall humidity and temperature sensors, pluggable (± 1,8 %), <i>Deluxe</i>					
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	356,44 €
AFF-25-I LCD	0...100% RH	–	4... 20 mA	–	T2 ■	1201-7132-0400-101	406,26 €
AFF-25-U	0...100% RH	–	0-10 V	–	T2	1201-7131-0000-101	356,44 €
AFF-25-U LCD	0...100% RH	–	0-10 V	–	T2 ■	1201-7131-0400-101	406,26 €
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	378,08 €
AFTF-25-I LCD	0...100% RH	(4x as above)	4... 20 mA	4... 20 mA	T2 ■	1201-7132-1400-101	427,91 €
AFTF-25-U	0...100% RH	(4x as above)	0-10 V	0-10 V	T2	1201-7131-1000-101	378,08 €
AFTF-25-U LCD	0...100% RH	(4x as above)	0-10 V	0-10 V	T2 ■	1201-7131-1400-101	427,91 €
HYGRASGARD® ESFTF		Screw-in humidity and temperature sensor for pressure systems (not illustrated)					
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/m³ (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	528,94 €
<i>(further measuring ranges see catalogue)</i>							
ESFTF-I LCD	(4x as above)	(4x as above)	4... 20 mA	4... 20 mA	T1 ■	1201-2112-1200-000	633,41 €
ESFTF-U	(4x as above)	(4x as above)	0-10 V	0-10 V	T1	1201-2111-1000-000	528,94 €
ESFTF-U LCD	(4x as above)	(4x as above)	0-10 V	0-10 V	T1 ■	1201-2111-1200-000	633,41 €

Housing: T1 = Tyr 1 / T2 = Tyr 2



HYGRASGARD®
AFTF-Modbus-T3
without display

211,10 €



HYGRASGARD®
AFTF-Modbus-T3
with display

266,11 €

NEW



HYGRASGARD®
AFTF-35

716,63 €

HYGRASGARD® DUCT SENSORS



HYGRASGARD®
KFTF-Modbus-T3

209,14 €

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		Temperature	Output		Display Housing	Item No.	Price
	Humidity						IP 65	
AFTF-Modbus-T3	($\pm 2,0\%$)							
AFTF-Modbus-T3	0...100% RH 0...80 g/kg 0...80 g/m³ 0...85 kJ/kg -20...+80 °C	(default) (MV) (a.F.) (ENT.) (TP)	-35...+80 °C	RS485		T3	1201-12C6-1000-000	211,10 €
AFTF-Modbus-T3 LCD	(5x as above)		-35...+80 °C	RS485		T3 ■	1201-12C6-1400-000	266,11 €
KFTF-Modbus-T3	($\pm 2,0\%$)							
KFTF-Modbus-T3	(5x as above)		-35...+80 °C	RS485		T3	1201-32C6-1000-029	209,14 €
KFTF-Modbus-T3 LCD	(5x as above)		-35...+80 °C	RS485		T3 ■	1201-32C6-1400-029	264,14 €
KFTF-20-Modbus-T3	($\pm 1,8\%$)							
KFTF-20-Modbus-T3	(5x as above)		-35...+80 °C	RS485		T3	1201-32C6-1000-030	273,39 €
KFTF-20-Modbus-T3 LCD	(5x as above)		-35...+80 °C	RS485		T3 ■	1201-32C6-1400-030	411,88 €

HYGRASGARD® AAVTF HYGRASGARD® KAVTF

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

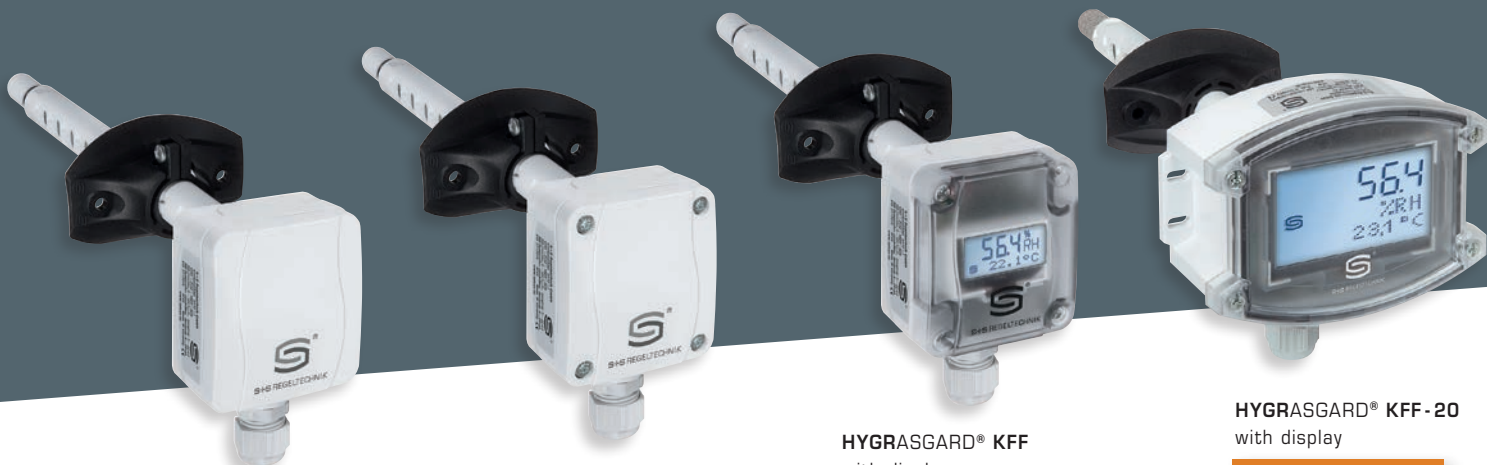
Type / WG01	Measuring Range		Temperature	Output		Display Housing	Item No.	Price
	Humidity (switchable)			Humidity	Temperature		IP 65	
AAVTF / KAVTF	($\pm 2,0\%$)							
AAVTF-I	0...100% RH 0...80 g/kg 0...80 g/m³ 0...85 kJ/kg -20...+80 °C	(default) (MV) (a.F.) (ENT.) (TP)	0...+50 °C (default) -20...+80 °C -35...+75 °C -35...+35 °C	4...20 mA	4...20 mA	T1	1201-1162-6000-028	205,58 €
(further measuring ranges see catalogue)								
AAVTF-I LCD	(5x as above)		(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-1162-6200-028	255,42 €
AAVTF-U	(5x as above)		(4x as above)	0-10V	0-10V	T1	1201-1161-6000-028	205,58 €
AAVTF-U LCD	(5x as above)		(4x as above)	0-10V	0-10V	T1 ■	1201-1161-6200-028	255,42 €
KAVTF-I	(5x as above)		(4x as above)	4...20 mA	4...20 mA	T1	1201-3162-6000-029	187,44 €
KAVTF-I LCD	(5x as above)		(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-3162-6200-029	247,92 €
KAVTF-U	(5x as above)		(4x as above)	0-10V	0-10V	T1	1201-3161-6000-029	187,44 €
KAVTF-U LCD	(5x as above)		(4x as above)	0-10V	0-10V	T1 ■	1201-3161-6200-029	247,92 €

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		Temperature	Outputs		Display Housing	Item No.	Price
	Humidity (switchable)						IP 65	
AFTF-35 / KFTF-35 NEW				(W = Changeover contact)				
AFTF-35-I/W	0...100% RH 0...25 g/m³ 0...25 g/kg -20...+50 °C -20...+50 °C	(default) (a.F.) (MV) (TP) (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	716,63 €
(further measuring ranges see catalogue)								
AFTF-35-I/W LCD	(5x as above)		(4x as above)	3x 4...20 mA	+ 1x W	T2 ■	1201-714B-1200-000	819,00 €
AFTF-35-U/W	(5x as above)		(4x as above)	3x 0-10V	+ 1x W	T2	1201-714A-1000-000	716,63 €
AFTF-35-U/W LCD	(5x as above)		(4x as above)	3x 0-10V	+ 1x W	T2 ■	1201-714A-1200-000	819,00 €
KFTF-35-I/W	(5x as above)		(4x as above)	3x 4...20 mA	+ 1x W	T2	1201-814B-1000-000	716,63 €
KFTF-35-I/W LCD	(5x as above)		(4x as above)	3x 4...20 mA	+ 1x W	T2 ■	1201-814B-1200-000	819,00 €
KFTF-35-U/W	(5x as above)		(4x as above)	3x 0-10V	+ 1x W	T2	1201-814A-1000-000	716,63 €
KFTF-35-U/W LCD	(5x as above)		(4x as above)	3x 0-10V	+ 1x W	T2 ■	1201-814A-1200-000	819,00 €

Housing: T2 = Tyr 2 / T3 = Tyr 3



HYGRASGARD® KFF-SD
with snap-on lid

162,31 €

HYGRASGARD® KFF
without display

174,41 €

HYGRASGARD® KFF
with display

225,33 €

HYGRASGARD® KFF-20
with display

292,16 €

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	162,31 €
KFF-SD-U	0...100 % RH	–	0-10 V	–	T1	1201-3181-0000-029	162,31 €
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	166,76 €
KFTF-SD-U	0...100 % RH	(4x as above)	0-10 V	0-10 V	T1	1201-3181-1000-029	166,76 €

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	174,41 €
KFF-I LCD	0...100 % RH	–	4...20 mA	–	T1 ■	1201-3112-0200-029	225,33 €
KFF-U	0...100 % RH	–	0-10 V	–	T1	1201-3111-0000-029	174,41 €
KFF-U LCD	0...100 % RH	–	0-10 V	–	T1 ■	1201-3111-0200-029	225,33 €
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	178,86 €
KFTF-I LCD	0...100 % RH	(4x as above)	4...20 mA	4...20 mA	T1 ■	1201-3112-1200-029	229,79 €
KFTF-U	0...100 % RH	(4x as above)	0-10 V	0-10 V	T1	1201-3111-1000-029	178,86 €
KFTF-U LCD	0...100 % RH	(4x as above)	0-10 V	0-10 V	T1 ■	1201-3111-1200-029	229,79 €
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 185,86 €

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	241,24 €
KFF-20-I LCD	0...100 % RH	–	4...20 mA	–	T2 ■	1201-8112-0400-030	292,16 €
KFF-20-U	0...100 % RH	–	0-10 V	–	T1	1201-3111-0000-030	241,24 €
KFF-20-U LCD	0...100 % RH	–	0-10 V	–	T2 ■	1201-8111-0400-030	292,16 €
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	264,83 €
KFTF-20-I LCD	0...100 % RH	(4x as above)	4...20 mA	4...20 mA	T2 ■	1201-8112-1400-030	313,22 €
KFTF-20-U	0...100 % RH	(4x as above)	0-10 V	0-10 V	T1	1201-3111-1000-030	264,83 €
KFTF-20-U LCD	0...100 % RH	(4x as above)	0-10 V	0-10 V	T2 ■	1201-8111-1400-030	313,22 €

Housing: T1 = Tyr 1 / T2 = Tyr 2



HYGRASGARD® SHOWCASE SENSOR PENDULUM ROOM SENSORS



HYGRASGARD® RPFF-SD
without housing

156,12 €



HYGRASGARD® RPFF
without display

198,59 €



HYGRASGARD® RPFF
with display

248,42 €

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 (±2,0%), <i>Premium</i> Showcase humidity- and temperature sensor, pluggable (±2,0%), <i>Premium</i>					
Type / WG02	Measuring Range		Output		Display	Item No.	Price
	Humidity	Temperature	Humidity	Temperature	Housing		
VFF	(±2,0%)					IP 65 (pluggable)	
VFF-I	0...100% RH	–	4...20 mA	–	T1	1201-6122-0000-100	462,39 €
VFF-I LCD	0...100% RH	–	4...20 mA	–	T1 	1201-6122-0200-100	513,38 €
VFF-U	0...100% RH	–	0-10 V	–	T1	1201-6121-0000-100	462,39 €
VFF-U LCD	0...100% RH	–	0-10 V	–	T1 	1201-6121-0200-100	513,38 €
VFTF	(±2,0%)					IP 65 (pluggable)	
VFTF-I	0...100% RH	–35...+75 °C –35...+35 °C 0...+50 °C 0...+80 °C	4...20 mA	4...20 mA	T1	1201-6122-1000-100	466,54 €
VFTF-I LCD	0...100% RH	(4 x as above)	4...20 mA	4...20 mA	T1 	1201-6122-1200-100	517,86 €
VFTF-U	0...100% RH	(4 x as above)	0-10 V	0-10 V	T1	1201-6121-1000-100	466,54 €
VFTF-U LCD	0...100% RH	(4 x as above)	0-10 V	0-10 V	T1 	1201-6121-1200-100	517,86 €
HYGRASGARD® VFTF-Modbus-T3 Showcase humidity and temperature sensor (±2.0%), <i>Premium</i>							
Type / WG01	Measuring Range		Output		Display	Item No.	Price
	Humidity	Temperature			Housing		
VFTF-Modbus-T3	(±2,0%)					IP 65 (pluggable)	
VFTF-Modbus-T3	0...100% RH 0...80 g / kg 0...80 g / m³ 0...85 kJ / kg –20...+80 °C	(default) (MV) (a.F.) (ENT.) (TP)	–35...+80 °C	RS485	T3	1201-6256-1000-000	540,44 €
VFTF-Modbus-T3 LCD	(5 x as above)		–35...+80 °C	RS485	T3 	1201-6256-1400-000	598,76 €

HYGRASGARD® RPFF-25
pluggable measuring head

413,72 €

HYGRASGARD® RPFF-25
pluggable measuring head,
with display

463,54 €



HYGRASGARD®
RPFTF-Modbus-T3
without display

296,32 €



HYGRASGARD®
RPFTF-Modbus-T3
with display

381,36 €

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	Item No.	Price
	Humidity	Temperature	Humidity	Temperature	Housing		
RPFF-SD / WG01	(± 2,0%)					IP 65	
RPFF-SD-I	0...100 % RH	–	4...20 mA	–	–	1201-1172-0000-150	156,12 €
RPFF / WG01	(± 2,0%)					IP 65	
RPFF-I	0...100 % RH	–	4...20 mA	–	T1	1201-1172-0000-100	198,59 €
RPFF-U	0...100 % RH	–	0-10 V	–	T1	1201-1171-0000-100	198,59 €
RPFF-xx LCD	0...100 % RH	–		–	T1	■ Extra charge	49,83 €
RPFTF / WG01	(± 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	203,04 €
RPFTF-U	0...100 % RH	(4 x as above)	0-10 V	0-10 V	T1	1201-1171-1000-100	203,04 €
RPFTF-xx LCD	0...100 % RH	(4 x as above)			T1	■ Extra charge	49,83 €
RPFF-25 / WG02	(± 1,8%)					IP 65 (pluggable)	
RPFF-25-I	0...100 % RH	–	4... 20 mA	–	T2	1201-7122-0000-100	413,72 €
RPFF-25-I LCD	0...100 % RH	–	4... 20 mA	–	T2	■ 1201-7122-0400-100	463,54 €
RPFF-25-U	0...100 % RH	–	0-10 V	–	T2	1201-7121-0000-100	413,72 €
RPFF-25-U LCD	0...100 % RH	–	0-10 V	–	T2	■ 1201-7121-0400-100	463,54 €
RPFTF-25 / WG02	(± 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	435,37 €
RPFTF-25-I LCD	0...100 % RH	(4 x as above)	4... 20 mA	4... 20 mA	T2	■ 1201-7122-1400-100	485,19 €
RPFTF-25-U	0...100 % RH	(4 x as above)	0-10 V	0-10 V	T2	1201-7121-1000-100	435,37 €
RPFTF-25-U LCD	0...100 % RH	(4 x as above)	0-10 V	0-10 V	T2	■ 1201-7121-1400-100	485,19 €

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
	Humidity						
RPFTF-Modbus-T3	(± 2,0%)					IP 65	
RPFTF-Modbus-T3	0...100 % RH 0...80 g / kg 0...80 g / m³ 0...85 kJ / kg –20...+80 °C	(default) (MV) (a.F.) (ENT.) (TP)	–35...+80 °C	RS485	T3	1201-6246-1000-000	296,32 €
RPFTF-Modbus-T3 LCD	(5x as above)		–35...+80 °C	RS485	T3	1201-6246-1400-000	381,36 €
RPFTF-20-Modbus-T3	(± 1,8%)					IP 65	
RPFTF-20-Modbus-T3	(5x as above)		–35...+80 °C	RS485	T3	1201-6246-1000-001	385,81 €
RPFTF-20-Modbus-T3 LCD	(5x as above)		–35...+80 °C	RS485	T3	1201-6246-1400-001	441,07 €

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

83,00 €



HYGRASREG® RHT
with external control dial

211,74 €



HYGRASREG® KH-10
with external control dial

229,36 €

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	83,00 €
RH-2 U	25...95 % RH	1x Changeover contact	internal	1202-40C0-0020-000	85,53 €
RHT / WG02				IP 30	
RHT-1	35...100 % RH, +10...+35 °C	Main switch	external	1202-4010-0000-000	211,74 €
KH-10 / WG01				IP 65	
KH-10	35...100 % RH	–	external	1202-3012-0010-000	229,36 €
KH-10 U	35...100 % RH	Setpoint adjuster covered	internal	1202-3012-0020-000	226,93 €

HYGRASREG® ELECTRONIC



HYGRASREG® AHT-30
with display and
plastic sinter filter
235,82 €

HYGRASREG® AH-40
with display and
plastic sinter filter
181,41 €

HYGRASREG® KHT-30
with display and
plastic sinter filter
235,82 €

HYGRASREG® KH-40
with display and
plastic sinter filter
182,61 €

HYGRASREG® RHT-30
with display and
external setting
198,00 €

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 **Tyr 2** 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 **Tyr 1** 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	235,82 €
AHT-30W-U LCD	5...95 % RH, -35...+80 °C	2x Changeover contact	2x 0-10 V	internal	■	1202-7127-1421-000	235,82 €
AH-40 / WG01							IP 65
AH-40W LCD	5...95 % RH	1x Changeover contact	–	internal	■	1202-1065-0221-000	181,41 €
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	235,82 €
KHT-30W-U LCD	5...95 % RH, -35...+80 °C	2x Changeover contact	2x 0-10 V	internal	■	1202-8127-1421-000	235,82 €
KH-40 / WG01							IP 65
KH-40W LCD	5...95 % RH	1x Changeover contact	–	internal	■	1202-3065-0221-000	182,61 €
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	182,05 €
RHT-30W	5...95 % RH, +5...+45 °C	2x Changeover contact	1x 0-10 V	external		1202-4077-1011-200	184,72 €
RHT-30W LCD	5...95 % RH, +5...+45 °C	2x Changeover contact	1x 0-10 V	external	■	1202-4077-1211-200	198,00 €

HYGRASGARD® ROOM SENSORS ROOM CONTROL UNITS



HYGRASGARD® FSM-U

239,49 €



HYGRASGARD® RFF

118,91 €



HYGRASGARD® RFTF-Modbus
with display
and potentiometer

238,69 €



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

305,72 €

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 % RH	–	4...20 mA	–	B1	1201-41A2-0000-000	118,91 €
RFF-I LCD	0...100 % RH	–	4...20 mA	–	B1 ■	1201-41A2-0200-000	174,41 €
RFF-U	0...100 % RH	–	0-10 V	–	B1	1201-41A1-0000-000	118,91 €
RFF-U LCD	0...100 % RH	–	0-10 V	–	B1 ■	1201-41A1-0200-000	174,41 €
RFTF-I	0...100 % RH	0...+50 °C	4...20 mA	4...20 mA	B1	1201-41A2-1000-000	122,61 €
RFTF-I LCD	0...100 % RH	0...+50 °C	4...20 mA	4...20 mA	B1 ■	1201-41A2-1200-000	178,22 €
RFTF-U	0...100 % RH	0...+50 °C	0-10 V	0-10 V	B1	1201-41A1-1000-000	122,61 €
RFTF-U LCD	0...100 % RH	0...+50 °C	0-10 V	0-10 V	B1 ■	1201-41A1-1200-000	178,22 €
RFTF-U xx	0...100 % RH	0...+50 °C	0-10 V	0-10 V + xx	B1	see catalog	from 163,28 €
RFTF-U xx LCD	0...100 % RH	0...+50 °C	0-10 V	0-10 V + xx	B1 ■	see catalog	extra charge 49,83 €
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	239,49 €
FSFTM-U	0...100 % RH	0...+50 °C	0-10 V	0-10 V		1201-9121-1000-162	246,60 €

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

Type	Measuring Range		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	115,22 €
RTM1-Modbus LCD	–		0...+50 °C	RS485	B1	1101-42A6-2000-000	170,60 €
RTM1-Modbus P	–		0...+50 °C	RS485	B1	1101-42A6-0001-005	151,49 €
RTM1-Modbus P LCD	–		0...+50 °C	RS485	B1	1101-42A6-2001-005	272,82 €
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	200,50 €
RFTF-Modbus P LCD	(5 x as above)		0...+50 °C	RS485	B2	1201-42B6-7001-005	238,69 €
RFTF-Modbus P 5L	(5 x as above)		0...+50 °C	RS485		1201-42B6-6119-005	258,54 €
RFTF-Modbus P 5L LCD	(5 x as above)		0...+50 °C	RS485	B2	1201-42B6-7119-005	296,73 €
RFTF-Modbus P D5	(5 x as above)		0...+50 °C	RS485		1201-42B6-6012-841	230,74 €
RFTF-Modbus P D5 5L	(5 x as above)		0...+50 °C	RS485	B2	1201-42B6-6120-841	291,20 €
RFTF-Modbus P T D5 5L	(5 x as above)		0...+50 °C	RS485	B2	1201-42B6-6121-841	305,72 €
RFTF-Modbus P T	(5 x as above)		0...+50 °C	RS485		1201-42B6-6047-005	212,59 €
RFTF-Modbus P T LCD	(5 x as above)		0...+50 °C	RS485	B2	1201-42B6-7047-005	250,78 €
RFTF-Modbus P T 5L	(5 x as above)		0...+50 °C	RS485		1201-42B6-6051-005	273,05 €
RFTF-Modbus P T 5L LCD	(5 x as above)		0...+50 °C	RS485	B2	1201-42B6-7051-005	311,24 €
FSFTM-Modbus-xx (WG02)	(± 3,0 %)					IP 20, in-wall	
FSFTM-Modbus	(5 x as above)		0...+50 °C	RS485		1201-9226-1000-162	290,47 €
FSFTM-Modbus P	(5 x as above)		0...+50 °C	RS485		1201-9226-1400-282	314,18 €
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® LS-2
with 2 electrodes and
clear cover (IP65)

104,21 €

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

117,97 €



HYGRASREG® KW-SD
with strap and
snap-on lid (IP54)

105,61 €



HYGRASREG® KW-W
with strap and
clear cover (IP65)

112,92 €



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

176,81 €



**HYGRASGARD®
TW-external-Modbus-T3**
without Display (IP65)

208,38 €

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						
KW-W-SD	ca. 93 % RH	Changeover contact	internal		IP 54 (snap-on lid) 1202-1075-0001-020	105,61 €
KW-W-SD extern	ca. 93 % RH	Changeover contact	external		1202-1075-0001-040	115,63 €
KW / WG01						
KW-W	ca. 93 % RH	Changeover contact	internal		IP 65 (clear cover) 1202-1025-0001-020	112,92 €
KW-W-extern	ca. 93 % RH	Changeover contact	external		1202-1025-0001-040	137,15 €
TW / WG01						
TW-W	75...100 % RH	Changeover contact	internal		IP 65 (clear cover) 1202-1015-0001-000	126,99 €
TW-W LCD	75...100 % RH	Changeover contact	internal	■	1202-1015-1201-020	176,81 €
TW-U	0...100 % RH	0-10 V	— internal		1201-1011-1001-020	131,82 €
TW-U/W	0...100 % RH	0-10 V + Changeover contact	internal		1202-1012-1001-020	151,16 €
TW-U/W LCD	0...100 % RH	0-10 V + Changeover contact	internal	■	1202-1012-1201-020	201,00 €
TW-W-extern	75...100 % RH	Changeover contact	external		1202-1015-0021-030	163,25 €
TW-W-extern LCD	0...100 % RH	0-10 V + Changeover contact	external	■	1202-1015-0221-030	213,07 €
TW-Modbus-T3 / WG01						
TW-Modbus-T3	0...100% RH (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		IP 65 (Housing Tyr 3) 1201-1281-3001-020	190,46 €
TW-Modbus-T3 LCD	(5 x as above)	(1 x as above)	RS485	■	1201-1281-3401-020	245,25 €
TW-extern-Modbus-T3	(5 x as above)	(1 x as above)	RS485		1201-1281-3001-030	208,38 €
TW-extern-Modbus-T3 LCD	(5 x as above)	(1 x as above)	RS485	■	1201-1281-3401-030	249,03 €
LS / WG01						
LS-2 (2 electrodes)	Conductance > switching threshold	Changeover contact	internal		IP 65 (clear cover) 1202-1042-0000-000	104,21 €
LS-4 (4 electrodes)	Conductance > switching threshold	Changeover contact	internal		1202-1042-0000-100	117,97 €



S+S REGELTECHNIK



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

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.



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.

APPROVED SAFETY

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

A PASSION FOR INNOVATION

S+S Regeltechnik GmbH 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.

CERTIFIED QUALITY

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

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