



S+S REGELTECHNIK



# RHEASGARD® RHEASREG®

FLOW SENSORS / FLOW CONTROLLERS  
MEASURING TRANSDUCERS FOR AIR VELOCITY,  
VOLUME FLOW AND TEMPERATURE



PRODUCT RANGE 2024



FÜHLBARE PRÄZISION

NEW



# RHEASGARD® & RHEASREG® AIR FLOW SENSOR / AIRFLOW MONITORS ELECTRONIC



**KLGF-U**  
without display

**243,34 €**

**KLGF-U 120mm**  
without display

**258,79 €**



**KLSW-W24**  
without display

**213,06 €**

**KLGF-T-W**  
without display

**308,23 €**



**PLGF-U LCD**  
with display

**306,06 €**

**PLGFVT-W LCD**  
with display

**379,61 €**

RHEASGARD® RHEASREG®		Duct and Pendulum air flow sensor / flow monitors, electronic, with active and switching output						
Type / WG01	Power supply	Output active	Output switching	Mounting (EL)	Display	Item no.	Price	
<b>KLGF/PLGF</b>		<b>U variant</b>						
KLGF-U 120mm	24 V AC / DC	1x 0-10V	-	120mm	T2	1701-4111-0102-000	258,79 €	
KLGF-U	24 V AC / DC	1x 0-10V	-	220 mm	T2	1701-4111-0101-000	243,34 €	
KLGF-U LCD	24 V AC / DC	1x 0-10V	-	220mm	T2	■ 1701-4111-1101-000	306,06 €	
PLGF-U	24 V AC / DC	1x 0-10 V	-	155 mm	T2+P	1701-6111-0101-000	243,34 €	
PLGF-U LCD	24 V AC / DC	1x 0-10 V	-	155 mm	T2+P	■ 1701-6111-1101-000	306,06 €	
<b>KLGF(V)T/PLGF(V)T *</b>		<b>AOS</b>		<b>W</b>				
KLGF-T-W *	24 V AC / DC	2x 0-10V / 4...20mA	1 changeover contact	220 mm	T2	1701-4118-0201-001	308,23 €	
KLGFVT-W LCD *	24 V AC / DC	2x 0-10V / 4...20mA	1 changeover contact	220 mm	T2	■ 1701-4118-1401-001	379,61 €	
PLGF-T-W *	24 V AC / DC	1x 0-10V / 4...20mA	1 changeover contact	155 mm	T2+P	1701-6118-0201-001	308,23 €	
PLGFVT-W LCD *	24 V AC / DC	1x 0-10V / 4...20mA	1 changeover contact	155 mm	T2+P	■ 1701-6118-1401-001	379,61 €	
<b>KLSW/PLSW-W24</b>								
KLSW-W24 120mm	24 V AC / DC	-	1 changeover contact	120mm	T2	1701-4113-0102-001	228,51 €	
KLSW-W24	24 V AC / DC	-	1 changeover contact	220 mm	T2	1701-4113-0101-001	213,06 €	
KLSW-W24 LCD	24 V AC / DC	-	1 changeover contact	220 mm	T2	■ 1701-4113-1101-001	264,97 €	
PLSW-W24	24 V AC / DC	-	1 changeover contact	155 mm	T2+P	1701-6113-0101-001	213,06 €	
PLSW-W24 LCD	24 V AC / DC	-	1 changeover contact	155 mm	T2+P	■ 1701-6113-1101-001	264,97 €	
<b>KLSW-W230</b>								
KLSW-W230 120mm	230V AC	-	1 changeover contact	120 mm	T2	1701-4133-0102-001	230,13 €	
KLSW-W230	230V AC	-	1 changeover contact	220 mm	T2	1701-4133-0101-001	214,68 €	
Note:	<p><b>Changeover contact</b> with automatic reset (relay opens automatically when value falls below the threshold again)</p> <p><b>AOS (Automatic Output Switching)</b> = patented analogue interface (patent no. DE 10 2015 015 941 B4), the unit automatically detects the required output type 0 - 10 V or 4...20 mA</p>							
Data points:	<p><b>L</b> = air velocity / flow velocity (0,1...20 m/s)</p> <p>* <b>T</b> = temperature (0...+50°C) – additional measurand</p> <p>* <b>V</b> = volume flow (0...200.000 m³/h) – alternative parameter, can be configured via display!</p>							



KHSSfV-Modbus  
Top-hat rail

359,47 €

KLGf-Modbus  
without display

300,76 €

KLGfVT-Modbus  
without display

327,82 €

KLGf-Modbus LCD  
with display

364,62 €

KLGfVT-Modbus LCD  
with display

389,34 €

RHEASGARD® Duct and Pendulum air flow sensor, electronic, with Modbus connection								
Type / WG01	Measuring ranges			Output	Mounting (EL)	Display	Item no.	Price
	Flow velocity	Volume flow	Temperature					
<b>KLGf/PLGf-Modbus</b>								
KLGf-Modbus 120mm	0,1...20 m/s	-	-	Modbus	120mm	T2	1701-4216-0102-000	316,21 €
KLGf-Modbus LCD 120mm	0,1...20 m/s	-	-	Modbus	120mm	T2	1701-4216-1102-000	380,07 €
KLGf-Modbus	0,1...20 m/s	-	-	Modbus	220mm	T2	1701-4216-0101-000	300,76 €
KLGf-Modbus LCD	0,1...20 m/s	-	-	Modbus	220mm	T2	■ 1701-4216-1101-000	364,62 €
PLGf-Modbus	0,1...20 m/s	-	-	Modbus	155mm	T2+P	1701-6216-0101-000	300,76 €
PLGf-Modbus LCD	0,1...20 m/s	-	-	Modbus	155mm	T2+P	■ 1701-6216-1101-000	364,62 €
<b>KLGfVT/PLGfVT-Modbus</b>								
KLGfVT-Modbus	0,1...20 m/s	0...200.000 m³/h	0...+50 °C	Modbus	220mm	T2	1701-4216-0401-000	327,82 €
KLGfVT-Modbus LCD	0,1...20 m/s	0...200.000 m³/h	0...+50 °C	Modbus	220mm	T2	■ 1701-4216-1401-000	389,34 €
PLGfVT-Modbus	0,1...20 m/s	0...200.000 m³/h	0...+50 °C	Modbus	155mm	T2+P	1701-6216-0401-000	318,27 €
PLGfVT-Modbus LCD	0,1...20 m/s	0...200.000 m³/h	0...+50 °C	Modbus	155mm	T2+P	■ 1701-6216-1401-000	389,34 €
Housing:	T2 = Duct sensor in housing Tyr 2 with Pleuroform duct pipe (120 mm / 220 mm) T2+P = Pendulum sensor in on-wall housing Tyr 2 with external duct probe (cable length ca. 2.4 m)							
Optional:	Cable connection with M12 connector according to DIN EN 61076-2-101 on request							

RHEASGARD® Duct top-hat rail air flow sensor, electronic, with Modbus connection								
Type / WG01	Measuring ranges			Output	Mounting (EL)	Item no.	Price	
	Flow velocity	Volume flow	Temperature					
<b>KHSSfV-Modbus</b>								
KHSSfV-Modbus	0,1...20 m/s	0...200.000 m³/h	-	Modbus	155mm	HS+P	1701-5216-0302-000	359,47 €
Housing:	HS+P = Top-hat rail housing for installation in distributor boxes or control cabinets with 35 mm mounting rail with external duct probe (cable length ca. 2.4 m)							



# RHEASREG® FLOW MONITORS MECHANICAL

KLSW-W24  
KLSW-W230  
Top-hat rail

**226,60 €**

KLGFT-W  
Top-hat rail

**338,87 €**



SW-3E / SW-4E  
with paddle  
incl. tee fitting

**220,46 €**



SW-1E  
with paddle

**119,68 €**



WFS  
with paddle

**93,04 €**

RHEASGARD® RHEASREG®						
Duct top-hat rail air flow sensor / flow monitors, electronic, with active and switching output						
Type / WG01	Power supply	Output active	Output switching	Mounting (EL)	Item No.	Price
KHSSF		AOS	W			
KLGFT-W	24 V AC / DC	2x 0-10V / 4...20 mA	1 changeover contact	155 mm HS+P	1701-5118-0102-001	<b>338,87 €</b>
KHSSW-W24						
KLSW-W24	24 V AC / DC	-	1 changeover contact	155 mm HS+P	1701-5113-0102-001	<b>226,60 €</b>
KHSSW-W230						
KLSW-W230	230V AC	-	1 changeover contact	155 mm HS+P	1701-5133-0102-001	<b>226,60 €</b>
Housing: HS+P = Top-hat rail housing for installation in distributor boxes or control cabinets with 35 mm mounting rail with external duct probe (cable length ca. 2.4 m)						

RHEASREG® SW							
Flow monitors with paddle, mechanical, for liquid and gaseous media with switching output							
Type / WG01	Pipe Ø DN	max. operating pressure PN max	Medium	(contacting parts made of)	Housing / incl. attached tee fitting according to DIN 2950	Item No.	Price
SW							
SW-1E	1" - 8"	11 bar	normal	(brass)	Thor 2 -	1702-3011-0000-000	<b>119,68 €</b>
SW-2E	1" - 8"	30 bar	aggressive	(stainless steel V4A)	Thor 2 -	1702-3012-0101-000	<b>378,57 €</b>
SW-3E	½"	11 bar	normal	(brass)	Thor 2	1702-3013-0031-000	<b>220,46 €</b>
SW-4E	¾"	11 bar	normal	(brass)	Thor 2	1702-3014-0041-000	<b>220,46 €</b>

RHEASREG® WFS							
Vane switch with paddle, mechanical, for gaseous media, with switching output							
Type / WG01	Switch-on value [m/s]		Switch-off value [m/s]		Housing	Item No.	Price
	min.	max.	min.	max.			
WFS							
WFS-1E	2,5 (4,0)	9,2	1,0 (2,5)	8,0	Thor 2	1702-3020-0000-000	<b>93,04 €</b>
Note: Minimum values in brackets apply to wind speeds > 5 m/s							



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NEW

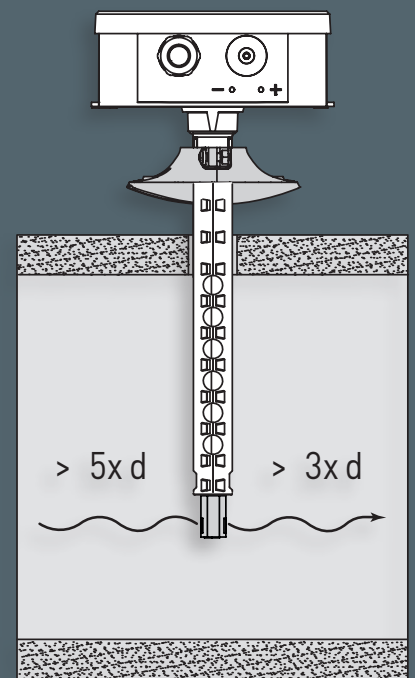
# RHEASGARD® RHEASREG®

## Electronic air flow sensors for flow velocity, temperature and volume flow

Our new product family of precise airflow sensors increases well-being and improves energy efficiency. Besides the duct sensor, there are further housing variants available with an external duct probe for on-wall or top-hat rail mounting.

The electronic sensor detects the **flow velocity** (0.1...20 m/s). It is suitable for monitoring or controlling airflows in ducts, at fans and dampers, for flow-dependent monitoring of humidifiers and electric heating registers according to DIN 57100, Sect. 420, or for use in connection with DDC systems.

The **volume flow** (by way of simple calculation using the **duct cross-section** and the flow velocity) and the **temperature** can be retrieved as additional parameters depending on the type.



Automatic Detection and Switching to 0...10V or 4...20mA standard signal



**AOS-PATENTED**

AUTOMATIC OUTPUT SWITCHING

### HIGHLIGHTS

- Precise flow sensor with sensor breakage protection (calorimetric, calibratable, temperature-compensated) for **Flow velocity** (0.1...20 m/s)
- with start-up override (adjustable depending on type)
- other parameters:  
**Volume flow** (0...200 000 m<sup>3</sup>/h)  
**Temperature** (0...+50°C)
- Measuring transducer with active output or Modbus connection (RTU)
- Changeover contact with automatic reset
- **Monitor** for voltage supply **24 V AC/DC** or **230 V AC**



S+S REGELTECHNIK



The new S+S company headquarters on a total area of 14,000m<sup>2</sup> 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.



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