



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 / CONTROL SWITCHES
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
KLGF/PLGF		U variant					
KLGF-U 120mm	24 V AC/DC	1x 0-10V	-	120 mm	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	-	220 mm	T2	■ 1701-4111-1101-000	306,06 €
PLGF-U	24 V AC/DC	1x 0-10V	-	155 mm	T2+P	1701-6111-0101-000	243,34 €
PLGF-U LCD	24 V AC/DC	1x 0-10V	-	155 mm	T2+P	■ 1701-6111-1101-000	306,06 €
KLGF(V)T/PLGF(V)T*		AOS		W			
KLGF-T-W *	24 V AC/DC	2x 0-10V/4...20 mA	1 changeover contact	220 mm	T2	1701-4118-0201-001	308,23 €
KLGFVT-W LCD *	24 V AC/DC	2x 0-10V/4...20 mA	1 changeover contact	220 mm	T2	■ 1701-4118-1401-001	379,61 €
PLGF-T-W *	24 V AC/DC	1x 0-10V/4...20 mA	1 changeover contact	155 mm	T2+P	1701-6118-0201-001	308,23 €
PLGFVT-W LCD *	24 V AC/DC	1x 0-10V/4...20 mA	1 changeover contact	155 mm	T2+P	■ 1701-6118-1401-001	379,61 €
KLSW/PLSW-W24							
KLSW-W24 120mm	24 V AC/DC	-	1 changeover contact	120 mm	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 €
KLSW-W230							
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>Changeover contact with automatic reset (relay opens automatically when value falls below the threshold again)</p> <p>AOS (Automatic Output Switching) = 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>L = air velocity / flow velocity (0,1...20 m/s) * T = temperature (0...+50°C) – additional measurand * V = volume flow (0...200.000 m³/h) – alternative parameter, can be configured via display!</p>						



S+S REGELTECHNIK

NEW

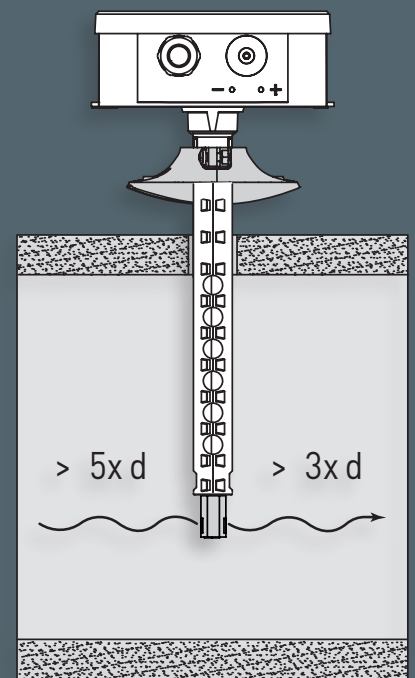
RHEASGARD® RHEASREG®

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 m³/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**



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					
KLGF/PLGF-Modbus								
KLGF-Modbus 120mm	0,1...20 m/s	-	-	Modbus	120 mm	T2	1701-4216-0102-000	316,21 €
KLGF-Modbus LCD 120mm	0,1...20 m/s	-	-	Modbus	120 mm	T2	1701-4216-1102-000	380,07 €
KLGF-Modbus	0,1...20 m/s	-	-	Modbus	220 mm	T2	1701-4216-0101-000	300,76 €
KLGF-Modbus LCD	0,1...20 m/s	-	-	Modbus	220 mm	T2	■ 1701-4216-1101-000	364,62 €
PLGF-Modbus	0,1...20 m/s	-	-	Modbus	155 mm	T2+P	1701-6216-0101-000	300,76 €
PLGF-Modbus LCD	0,1...20 m/s	-	-	Modbus	155 mm	T2+P	■ 1701-6216-1101-000	364,62 €
KLGFVT/PLGFVT-Modbus								
KLGFVT-Modbus	0,1...20 m/s	0...200.000 m³/h	0...+50 °C	Modbus	220 mm	T2	1701-4216-0401-000	327,82 €
KLGFVT-Modbus LCD	0,1...20 m/s	0...200.000 m³/h	0...+50 °C	Modbus	220 mm	T2	■ 1701-4216-1401-000	389,34 €
PLGFVT-Modbus	0,1...20 m/s	0...200.000 m³/h	0...+50 °C	Modbus	155 mm	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	155 mm	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				
KHSSFV-Modbus							
KHSSFV-Modbus	0,1...20 m/s	0...200.000 m³/h	-	Modbus	155 mm	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

KHSSW-W24
KHSSW-W230
Top-hat rail

226,60 €

KHSSF-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			
KHSSF-W	24 V AC / DC	2x 0-10V / 4...20 mA	1 changeover contact	155 mm HS+P	1701-5118-0102-001	338,87 €
KHSSW-W24						
KHSSW-W24	24 V AC / DC	–	1 changeover contact	155 mm HS+P	1701-5113-0102-001	226,60 €
KHSSW-W230						
KHSSW-W230	230V AC	–	1 changeover contact	155 mm HS+P	1701-5133-0102-001	226,60 €
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	119,68 €
SW-2E	1" - 8"	30 bar	aggressive	(stainless steel V4A)	Thor 2 –	1702-3012-0101-000	378,57 €
SW-3E	½"	11 bar	normal	(brass)	Thor 2	1702-3013-0031-000	220,46 €
SW-4E	¾"	11 bar	normal	(brass)	Thor 2	1702-3014-0041-000	220,46 €

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	93,04 €
Note:	Minimum values in brackets apply to wind speeds > 5 m/s						



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.



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