



## Product Overview

## Immersion / Air duct



AIR-DUCT AND IMMERSION SENSORS																															
	Type	VF01-1B65NW	VF01-1B54NW	VF01-5B65NW	VF01-5B54NW	VF01-3B65NW	VF01-3B54NW	LFV-050-1B65	LFV-050-3B65	LFV-100-1B65	LFV-100-3B65	VF20-1B65NW	VF20-1B54NW	VF20-5B65NW	VF20-5B54NW	VF20-3B65NW	VF20-3B54NW	VF00-1B65NW	VF00-1B54NW	VF00-5B65NW	VF00-5B54NW	VF00-3B65NW	VF00-3B54NW	VF10-1B65NW	VF10-1B54NW	VF10-5B65NW	VF10-5B54NW	VF10-3B65NW	VF10-3B54NW		
	Ni1000	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	■	■	■	■	■	■	-	-	-	-	-	-		
	PT1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	■	■	■	■	■	■	-	-	-	-	-	-	
	NTC 20K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	NTC 10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	■	■	■	■	■	■	
	0...10V	-	-	-	-	-	-	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	T°C Range	-40...150 °C				0...50 °C				0...100 °C				-40...+150 °C																	
	Protection	IP65	IP54	IP65	IP54	IP65	IP54	IP65				IP65	IP54	IP65	IP54	IP65	IP54	IP65	IP54	IP65	IP54	IP65	IP54	IP65	IP54	IP65	IP54	IP65	IP54	IP65	IP54
	Probe length (mm)	150		50		300		150	300	150	300	150		50		300		150		50		300		150		50		300			

## Fast reacting sensors

FAST REACTING SENSORS														
	Type	VFF00-75P65	VFF00-220P65	VFF00-300P65	VFF01-75P65	VFF01-220P65	VFF01-300P65	VFF20-75P65	VFF20-220P65	VFF20-300P65	VFF10-75P65	VFF10-220P65	VFF10-300P65	
	Ni1000	-	-	-	■	■	■	-	-	-	-	-	-	
	PT1000	■	■	■	-	-	-	-	-	-	-	-	-	
	NTC10K	-	-	-	-	-	-	-	-	-	■	■	■	
	NTC 20K	-	-	-	-	-	-	■	■	■	-	-	-	
	T°C range	-20...140 °C												
	Protection	IP65												
	Immersion depth	75	220	300	75	220	300	75	220	300	75	220	300	


## Cables, wells, flanges

CABLE SENSORS										
	Type	KTF00-65-2M	KTF20-65-2M	KTF01-65-2M	KTF10-65-2M	KTF00-65-2M-B (packs 50 pieces)	KTF00-65-5M-B (packs 50 pieces)	KTF00-65-2M-300	KTF01-65-2M-300	
	Ni1000	-	-	■	-	-	-	-	■	
	PT1000	■	-	-	-	■	■	■	-	
	NTC10K	-	-	-	■	-	-	-	-	
	NTC 20K	-	■	-	-	-	-	-	-	
	T°C range	-30...105 °C						-20...260 °C		
	Protection	IP65								
	Cable length	2 m			5 m			2 m		


WELLS AND FLANGES					
Type	Length	Features	Pmax	max. flow rate	Innovative design
WB50	50 mm	Brass R1/2" / ISO, PN25	13 bar	26 m/s	
WB150	135 mm			5 m/s	
WB300	285 mm			1.2 m/s	
WS50	50 mm	Stainless steel R1/2" / ISO, PN25	25 bar	30 m/s	
WS150	135 mm			7.5 m/s	
WS300	285 mm			2 m/s	
LF-MF	Mounting flange for air-duct application 10 pieces				





## Air quality

AIR QUALITY SENSORS											
	Order number	Air + RH				T°C CO <sub>2</sub>					T°C, CO <sub>2</sub> , RH
		LFH00-2B65	LFH01-2B65	LFH10-2B65	LFH20-2B65	AQS-KAM-00	AQS-KAM-01	AQS-KAM-10	AQS-KAM-20	AQS 7.1-KAM-T	AQS-KAM-RH-V
	Ni1000	-	■	-	-	-	■	-	-	-	-
	PT1000	■	-	-	-	■	-	-	-	-	-
	NTC 10K	-	-	■	-	-	-	■	-	-	-
	NTC 20K	-	-	-	■	-	-	-	■	-	-
	Nbr 0...10 V out	■	■	■	■	■	■	■	■	■ ■	■ ■ ■
	T°C Range	-5...55 °C				0...50 °C					0...50 °C
	Protection	IP65				IP65					IP65
	Output CO <sub>2</sub>	0...10 V / 4...20 mA				0...10 V					0...10 V
	Range RH% or ppm	10...90%				0...2000 ppm					10...90%/0...2000 ppm
	Power supply	24 VAC/VDC									

## Strap-on


PIPE STRAP-ON											
	Type	SF01-B65	SF01-B54	SFV-050-B65	SFV-100-B65	SF20-B65	SF20-B54	SF00-B65	SF00-B54	SF10-B65	SF10-B54
	Ni1000	■	■	-	-	-	-	-	-	-	-
	0...10V	-	-	■	■	-	-	-	-	-	-
	PT1000	-	-	-	-	-	-	■	■	-	-
	NTC 10K	-	-	-	-	-	-	-	-	■	■
	NTC 20K	-	-	-	-	■	■	-	-	-	-
	T°C range	-30...110 °C		0...50 °C	0...100 °C	-30...110 °C				-	-
	Protection	IP65	IP54	IP65		IP65	IP54	IP65	IP54	IP65	IP54
	Strap diam	max. 110 mm									
	Power supply	-	-	24 VAC/DC		-	-	-	-	-	-


## Outdoor

OUTDOOR TEMPERATURE								OUTDOOR + RH	
									
Type	AF01-B65	AF01-B54	AF00-B65	AF00-B54	AF10-B54	AF20-B54	AF20-B65	H7508B1060 H7508B1060	H7508B1080 H7508B1080
Ni1000	■	■	-	-	-	-	-	-	-
Pt1000	-	-	■	■	-	-	-	-	-
NTC10K	-	-	-	-	■	-	-	-	-
NTC20K	-	-	-	-	-	■	■	-	■
0...10 V out	-	-	-	-	-	-	-	■	■
T° Range	-40...70 °C							-30...50 °C	
Protection	IP65	IP54	IP65	IP54	IP54	IP54	IP65	IP34	
Power supply	-	-	-	-	-	-	-	24 VAC/VDC	






## Dew point and air velocity

DEWPOINT SWITCH	
	
Type	HSS-DPS
Supply	24 VAC/VDC
Operation T°C	0...50
Switch point	> 90%
Response time	25 s
Protection	IP40


AIR VELOCITY SENSOR		
		
Type	AV-D-10	AV-R-10
Power supply	24 VAC/DC	24 VAC/D
Mounting place	Air-duct	Remote
Probe length	200 mm	
Out 0...10 VDC / 4...20 mA	■	
Selectable range	0...10, 15, 20 m/s	


## Air duct and Average temperature

AIR DUCT Ø T		
		
Type	C7085A1006	C7085A1014
PT1000	4x	—
NTC 20K	—	4x
T°C range	-30 °C...70 °C	
Protection class	III	
Sensor/cable L	3 m	

AIR-DUCT SENSORS				
Type	length	NTC 20K	T°C range	Innovative design
LF20-1P65-5M	157	■	-30...80 °C	
LF20-3P65-5M	307	■		
PF20-65-2M	2 m cable	■	-30...70 °C	
PF20-65-5M	5 m cable	■		

## Air pressure

DP SENSORS AIR		
		
	No display	Display
Range Pa	Type	
-50...50	DPTE50S	DPTE50SD
-100...100	DPTE100S	DPTE100SD
-500...500	DPTE500S	DPTE500SD
-1000...1000	DPTE1000S	DPTE1000SD
-50...50	DPTE100	DPTE100D
0...250/500	DPTE250	DPTE250D
0...500/1000	DPTE500	DPTE500D
0...1000/2500	DPTE1000	DPTE1000D
0...5000/10000	DPTE5000	DPTE5000D


ΔP SWITCHES	
	
Pa	Pa
DPS200	20...200
DPS400	40...400
DPS500	50...500
DPS1000	200...1000
DPS2500	500...2500













## Thermostats and frost-protection

THERMOSTATS				
				
Type	STB70130	STB2080	STW70130	STW2080
Setpoint	70...130 °C	20...80 °C	70...130 °C	20...80 °C
DT°C	20K		10K	
Reset	Manual		Auto	
IP rate	IP54			
Capillary	2 m			




FROST PROTECTION THERMOSTATS						FROST PROTECTION THERMOSTAT 2 STAGES		
								
Type	FT6960-18	FT6960-30	FT696060	FT6961-18	FT6961-30	FT6961-60	FTSE20	FTSE60
Capillary length	1.8 m	3 m	6 m	1.8 m	3 m	6 m	2 m	6 m
Reset	manual			Auto			2K offset	
T°C range	-20 °C...55 °C						0...15 °C	
Protection	IP65						IP42	

## Flow switches, Hygrostat and Thermostat

AIRFLOW SWITCHES	LIQUIDFLOW SWITCHES	AIR DUCT HYGROSTAT	
			
Type	S6040A1003	S6065A1003	H6045A1002
Ambient T°C	-45...+85 °C		-10...+65 °C
Protection	IP65		
I max.	15 A	15 A	15 A
Voltage	24...250 VAC	24...250 VAC	24...250 VAC

SAFETY THERMOSTAT	
	
Type	STB1
Range	60...130 °C
Depth	150 mm
Accessory	—
Steel well	T4NST

## Liquid pressure

PRESSURE TRANSMITTER		PRESSURE SWITCH		DELTA P SWITCHES	
					
Type	Range b	Type	Range b	Type	Range b
PTE006BGG14B	0...6	DCMV3	0.2...2.5	PSHDM1002	0...0.1
PTE010BGG14B	0...10	DCMV6	0.5...6	PSHDM3002	0...0.3
PTE016BGG14B	0...16	DCMV10	1...10	PSHDB0012	0...0.1
PTE025BGG14B	0...25	DCMV16	3...16	PSHDB0032	0...0.3
PTE040BGG14B	0...40	DCMV25	4...25	PSHDB0062	0...0.6
PTE060BGG14B	0...60	DCMV40	8...40	PSHDB0202	0...20
		DCMV63	16...63		

**Find out more**

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