

WIND

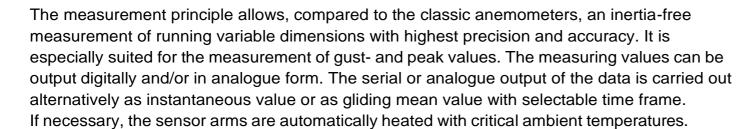
Ultrasonic Anemometer 1D

Part number: 4.3865.0x.xxx Different measuring values are available, among others:

- Flow vector
- Scalar flow velocity
- Acoustic-virtual temperature
- Standard deviation of the wind velocity
- Standard deviation of the scalar air flow
- Standard deviation of the acoustic-virtual temperature
- Flow velocity of the gust

The instrument is especially suited for the use

- In the traffic engineering
- Indoor flow measurement
- In tunnels
- In tubes



Specification

Part	number:	4.3865	0x xxx

rait number. 4.3003.0x.xxx		
Wind speed		
Measuring range	0 75 m/s	
Resolution	0.1 m/s	
Accuracy	±0.1 m/s rms (< 5 m/s) ±2 % rms (> 5 m/s)	
Wind direction		
Measuring range	1 or 181 °	
Virtual temp.		
Measuring range	-50 +80 °C	
Resolution	0.1 K	
Accuracy	±0.5 K	
Data output digital		
Interface	RS485 / RS422	
Baudrate	1200 921600 Baud	
Data values	instant. values, average values	





information:



Output range	1 per 10 msec up to		
Output range	1 per 60 sec		
0(1)			
Status signals	heating, distance error		
Data output analog			
Wind speed	0 20 mA		
	4 20 mA		
	0 10 V		
	2 10 V		
Stromausgang	max. 400 ê		
Voltage output	min. 4000 ê		
Resolution	16 bit		
Operating voltage			
Electronic	8 42 V DC or		
	12 28 V AC / 2.5 W		
Heating	24 V AC/DC, typ 40 W		
General			
Bus operation	operation up to 98 sensors		
Electr. connection	5 m cable		
Mounting	plate with holes		
Housing	stainless stell (V4A) AiSi316Ti		
Protection	IP 67		
Dimension	424 mm x 287 mm		
Weight 2.5 kg			

Versions

As per 4.3865.0x.xxx, but:

Product number 4.3865.00.340

Data output digital		
Baudrate	9600 Baud	
Duplex mode	Full duplex	
Data telegram	VDT-Telegram (Telegram2)	
Output range	10 per 1 sec	
Product number 4.3865.01.310		
Data output digital		
Baudrate	9600 Baud	
Duplex mode	Half duplex	
Data telegram	no independent data output	
Data output analog		
Туре	3 x 4 20 mA	





information:



Accessories

Product	Product name	Brief description	
	Ultrasonic Bird delfector 4.3800.90.000	which might be caused b	tor protects the ultrasonic anemometer against measurement faults, y different species of birds.
		Data output digital	
		Switching output	max. 24 V AC/DC
		Interface	
		Туре	RS485
		Data format	8N1
		Baud rate	2400 115200 Baud
		General	
		Power supply	12 24V DC
			24 V AC
		Electr. connection	cable gland
		Housing	Polycarbonate
		Protection	IP 65
		Weight	0.2 kg





SCAN for more

information: