

GROUP 4 WIND
MADE IN GERMANY





Meteorologische Geräte und Systeme GmbH



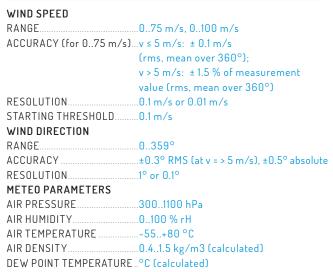
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# THE NEW 2D ULTRASONIC ANEMOMETER METEO VERSION

Theodor Friedrichs & Co. and MESA Systemtechnik are proud to present the new Meteo Version 2D Ultrasonic Anemometer. Experts in Airflow Simulation, Transducer Technology, Hardware Design and Software Development have combined their latest knowledge to create an outstanding product.

We developed a high precision 2D Ultrasonic Anemometer which is designed to meet the demands of today's customer applications.

### TECHNICAL DATA



DATA OUTPUT	
SERIAL INTERFACE	RS422 full duplex / RS485 half duplex
	(1200115200 Baud),
	CAN/CANopen (10 kbit/s1 Mbit/s)
ANALOGUE OUTPUT	0/420 mA or 0/210 V (16Bit)
PROTOCOLS	ASCII / MODBUS / NMEA
POWER SUPPLY	936 V DC / 100 mA; 24V DC
	(+15%, -50%) with add. body heating
DIMENSIONS	
SIZE	Ø 220x221 mm
HOUSING MATERIAL	Stainless Steel V4A,
WEIGHT	1.4 kg
ENVIRONMENTAL	
HOUSING	
OPERATING TEMP	55+70 °C (with add. body heating)

# OPTIMIZED DESIGN

The hardware design of the 4310 is made by our experts with the latest Air-Flow-Simulation Software. By reducing the turbulences to a Minimum, the accuracy is increased to a Maximum.

#### **CERTIFICATES**

- **EMC Test**
- Wind Speed Accuracy Tests
- Blowing Sand Test based on AECPT 300, method 313
- Temperature Test
- Altitude Test
- Dust Test IP6X according to DIN EN 60529
- Water Test IPX7 according to DIN EN 60529

- Solar Irradiation according to DIN EN 60068-2-5
- Vibration Tests
- Mechanical Shock according to IEC 60068-2-27
- Bump Test according to IEC 60068-2-29
- **Drop Tests**
- Icing Tests

#### PLEASE CONTACT US:

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