

## Wind Direction Transmitter "First Class"

**Part number: 4.3151.00.400**

Special characters are a defined and optimised, dynamic behaviour as well as:

- High measurement accuracy and resolution
- High damping with small distance constant
- Low starting value
- Low power consumption
- Simple mounting

The measuring value is available at the output as digital signal. The output signal can be transmitted to display instruments, recording instruments, data loggers as well as to process control systems.

Characteristic:

The WD transmitter can acquire the WS signals of 4.3352.x.000, and add the parameter wind speed to its serial data telegram



## Specification

**Part number: 4.3151.00.400**

### Wind direction

|                   |  |
|-------------------|--|
| Measuring range   | 0 ° ... 360 °  |
| Resolution        | 0.1 °  |
| Accuracy          | ±1 °   |
| Starting value    | 0.5 m/s at 10 °<br>acc. to ASTM D 5096-96<br>0.2 m/s at 90 °<br>acc. to VDI3786 page 2 |
| Distance constant | 1.8 m<br>acc. to ASTM D 5096-96  |
| Damping ration    | > 0.3<br>acc. to ASTM D 5096-96  |

### Data output digital

|           |                     |
|-----------|---------------------|
| Interface | RS485               |
| Baudrate  | 1200 ... 57600 Baud |
| Protocol  | ASCII               |

### Operating voltage

|                     |   |
|---------------------|---|
| Electronic          | 3.3 ... 42V DC                                      |
| Current consumption | 0.5 mA without data query<br>1.0 mA with data query |

|                    |   |
|--------------------|---|
| Heating            | 24 V AC/DC, 25 W  |
| <b>General</b>     |   |
| Ambient temp.      | -50 ... +80 °C, all occurring situations of rel. humidity |
| Electr. connection | 8 pol. plug connection                                    |
| Mounting           | onto mast tube Ø 1 ``                                     |
| Material           | aluminium anodised, stainless steel                       |
| Protection         | IP 55   |
| Dimension          | Ø 450 x 410 mm  |
| Weight             | 0.7 kg  |
| Mounting           | Ø 35 x 25 mm  |

## Versions

No other versions of this product are available.

## Accessories

No accessories are available for this product.