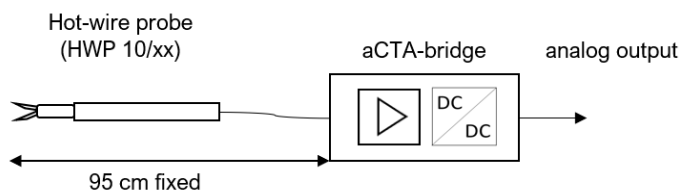


### Description

Hot-wire measuring techniques are particularly suitable for anemometry of low flow velocities and highly dynamic airflows. The probes are calibrated for air speeds of 0.1 to 50 m/s before delivery. Hot-wire probes can also be operated as resistance thermometers with a very short response time using special electronics (CCT).

Our single and multi-channel devices are both set up with the same components.

#### Single channel system with analog output

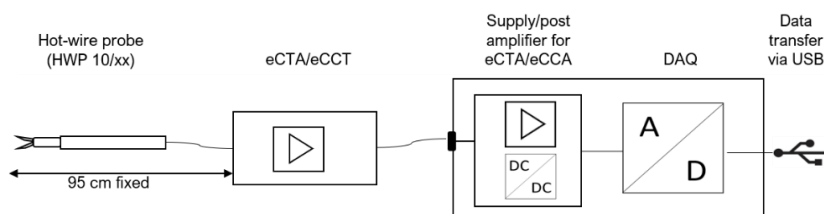


A data acquisition system which digitalizes the voltage signal is required to determine flow velocities. Additional information about the fluid temperature and density (if necessary) is required.

Also available as a set:

- 1x aCTA Hot-wire measuring bridge for anemometry
- 2x HWP10/xx Hot-wire probes
- 1x Plug-in power supply unit
- 1x headphones
- In a transport case

#### Single channel system with data acquisition system



The system is delivered as a set of these components:

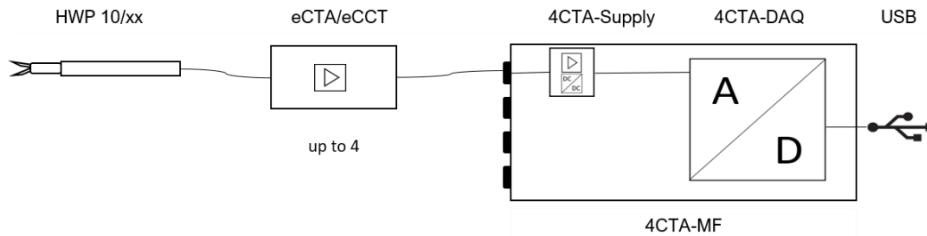
- 1x Internal 8-channel 16 bit USB data acquisition with 50kS/s in total
- 1x eCTA Hot-wire measuring bridge for anemometry
- 2x HWP10/xx Hot-wire probes
- 1x External temperature probe type PT100, internal signal transducer
- 2x Differential pressure sensor type ePressure
- 1x Internal barometric pressure sensor



ePressure



### Multi-channel system with or without data acquisition system



4CTA



The system will be configured by customer requirements. These components are available:

- 4CTA-MF** Casing including power supply, internal barometric pressure sensor and PT100 signal transducer, including all necessary adjustments
- 4CTA-DAQ** 16-channel data acquisition card with USB interface, 16 bit / 250 kS/s combined, integrated into the 4CTA-MF case  
Without this option, only analog signals are available.
- 4CTA-Supply** Power supply and signal conditioning for hot-wire bridges  
Necessary for each channel.
- eCTA** Hot-wire measuring bridge for anemometry
- eCCT** Hot-wire measuring bridge for temperature measurement
- HWP10/xx** Hot-wire probe  
At least two probes per measuring bridge are recommended.

