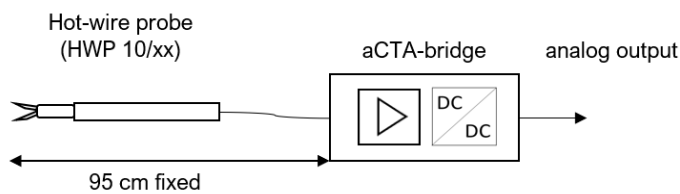


### Description

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

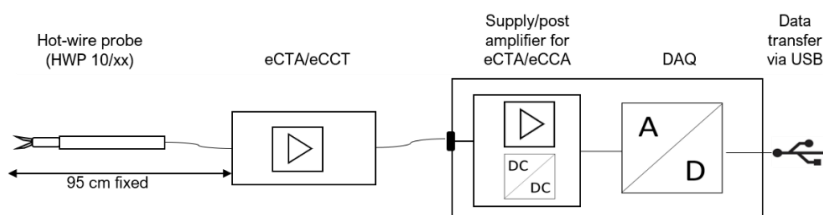


A data acquisition system which digitalizes the voltage signal is required to determine flow velocities. Additional information about the fluid temperature and density (if necessary) is required.

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

#### Single channel system with data acquisition system



The system is delivered as a set of these components:

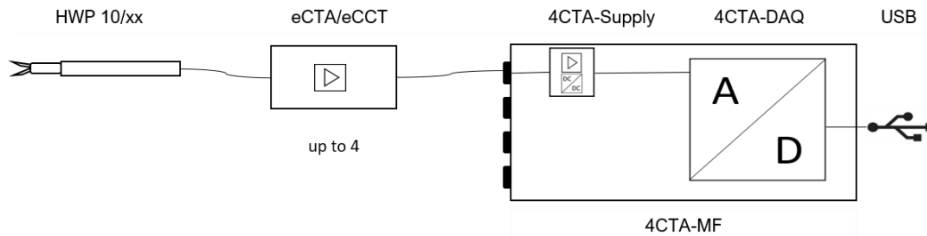
- 1x sDAQ Data acquisition
  - USB data acquisition card, 16 bit resolution, 50kSamples/s in total
  - PT100 signal transducer
  - barometric pressure transducer
- 1x eCTA Hot-wire measuring bridge for anemometry
- 2x HWP10/xx Hot-wire probes
- 1x External temperature probe type PT100
- 2x Differential pressure sensor type ePressure



#### 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 resolution, 250 kSamples/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.

