



## Description

The 1D-Hotwire-Traversal enables automated positioning of hotwire probes. Due to its compact and lightweight design, it's particularly suitable for the measurement of pipe flows or small blowers. As an option, a customer specific adapter for connection a pipe can be ordered.

The unit is controlled either via USB or RS232. The stepper motor controller is included in the delivery. The programmatic connection can be done either directly via G-code over an ASCII protocol or via the included LabVIEW drivers.

As an option, a complete measurement software is available. However, an appropriate data collection hardware (sDAQ, 4CTA) is necessary from our company.

## Technical Data

### Technical Data Linear Unit

NEMA11 stepper motor	
Static load capacity x,y,z	10N axial, 40N radial
Max. speed	25 mm/s
Max. drive torque	0,1 Nm
Dimensions Traverse	133+stroke length x 45 x 30 mm (B x H x T)
Stroke length	100 / 150 / 200 / 250 mm
Stepper motor control	24VDC directly or via 230VAC power supply 130 x 55 x 200 mm (W x H x D)

### Environmental Conditions

Temperatures	5 °C ... 50 °C
Humidity	0 ... 95%, non condensating

### Software

Driver	Virtual COM-Port, LabVIEW
supported operating systems	Windows XP, 7, 8, Linux

### Options

- Interfaces: USB / RS232
- Adapter for pipe connection
- Automated measuring program

### Delivery Contents

- Linear unit with stepper motor and hotwire bracket
- Stepper motor control with power supply und cables

