



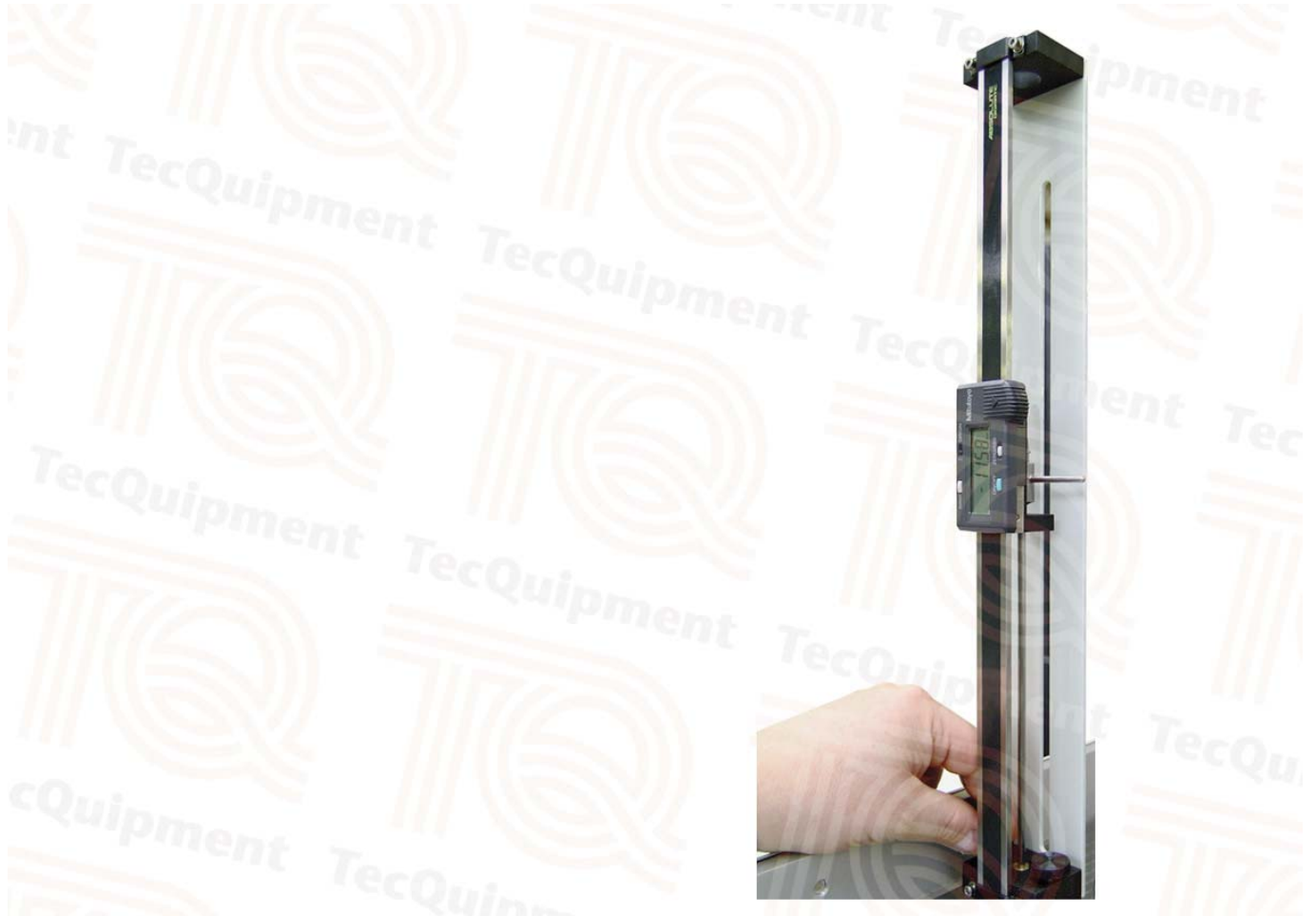
Aerodynamics

AFA7

Pitot-Static Traverse (300 mm)

A traversing Pitot-static tube with electronic position measurement for use with TecEquipment's Subsonic Wind Tunnel (AF100)

Works with
VDAS[®]



- Optional ancillary to TecEquipment's subsonic Wind Tunnel (AF100)
- Mounts either upstream or downstream of a test model to measure pressures across the 'wake' of a model
- Accurate digital display of position
- Zero facility allows the starting point of an experiment to be set in any position
- Works with TecEquipment's Versatile Data Acquisition System (VDAS[®]) to give accurate real-time data capture, monitoring, and display on a computer

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- An ISO 9001 certified company
- VDAS is a registered trademark of TecEquipment Ltd

AFA7

Pitot-Static Traverse (300 mm)

Description

The Pitot-Static Traverse is an ancillary to TecEquipment's modular Subsonic Wind Tunnel (AF100).

It is a Pitot-static tube that mounts in the working section of the wind tunnel, either upstream or downstream of the position of the test model. This allows students to do 'wake' traverses, downstream of a model. The vertical position of the tube, which is adjustable, is displayed on a digital indicator.

The digital indicator position can be set to zero in any position. This allows the datum or starting point of an experiment to be defined by the user.

To display differential pressure, the Pitot-static tube connects to a manometer supplied with the wind tunnel. Alternatively, pressures can be measured using one or more of the following optional instruments:

- Tilting Multi-Tube Manometer (AFA1)
- Differential Pressure Transducer module (AFA5)
- 32-Way Pressure Display module (AFA6)

The pressure signals from the Pitot-Static Traverse may be output to TecEquipment's optional Versatile Data Acquisition System (VDAS®) to allow computer-based data acquisition and display. Using VDAS enables accurate real-time data capture, monitoring, display, calculation and charting of all relevant parameters on a suitable computer (not included). For pressure measurement this will require the optional Differential Pressure Transducer module (AFA5) or 32-Way Pressure Display module (AFA6).

Standard Features

- Supplied with comprehensive user guide
- Five-year warranty
- Manufactured in accordance with the latest European Union directives

Ancillary For

- Subsonic Wind Tunnel (AF100)
- Cylinder Model (AF101)
- NACA 0012 Aerofoil With Tappings (AF102)
- NACA 2412 Aerofoil With Variable Flap (AF103)
- NACA 0012 Aerofoils (AF104)
- Flat Plate Drag Model (AF105)
- Aircraft Model-Low Wing (AF107)
- Aircraft Model-High Wing (AF108)
- Three-Dimensional Drag Models (AF109)

Operating Conditions

Operating environment:
Laboratory

Storage temperature range:
-25°C to +55°C (when packed for transport)

Operating temperature range:
+5°C to +40°C

Operating relative humidity range:
80% at temperatures < 31°C decreasing linearly to 50% at 40°C

Specification

Dimensions:
Packed: 0.01 m³

Weight:
Packed: 3 kg

Total travel:
300 mm

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infoWERK is a leading expert in the development of eLearning courseware, learning system solutions, teaching and AV equipment.

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TecQuipment is one of the global leaders in technical teaching equipment for engineering. If you are interested in one of TecQuipment's products feel free to contact us at:



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