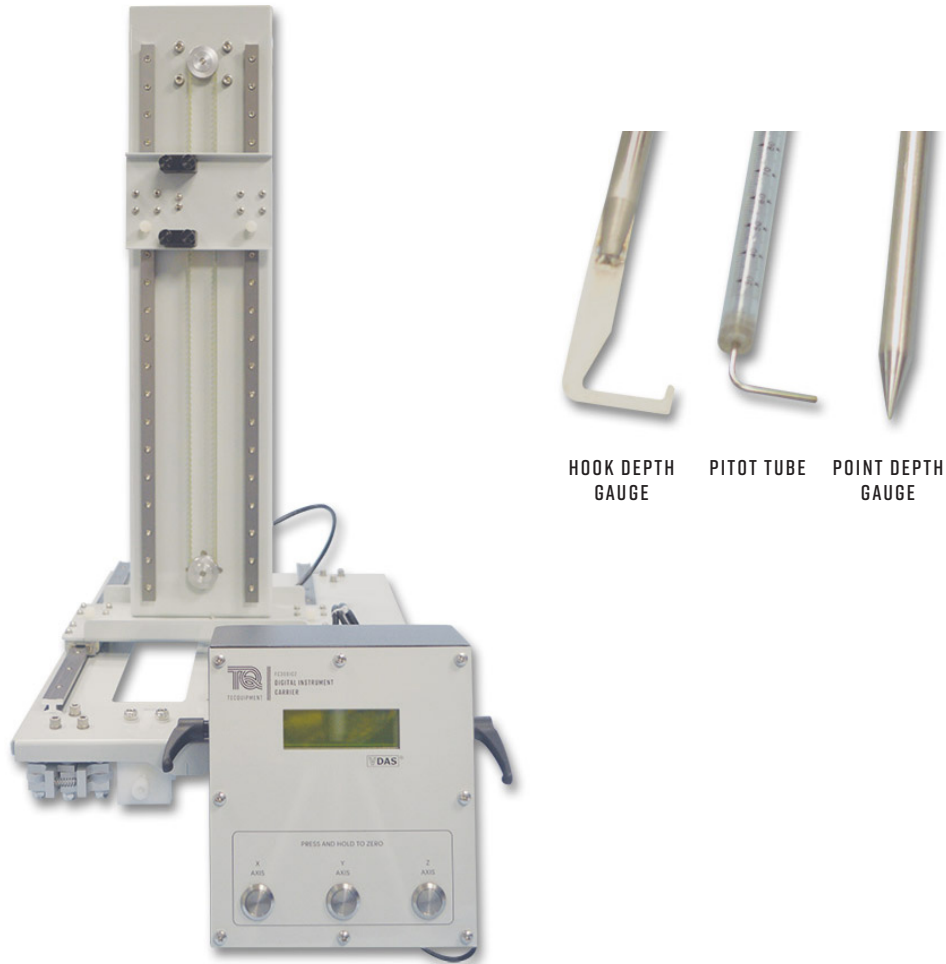


## DIGITAL INSTRUMENT CARRIER

**VDAS® FC300IC2**

The digital instrument carrier can precisely place the tip of the supplied instruments at any position in the x, y, and z planes of TecQuipment's FC300 Flumes range.



HOOK DEPTH GAUGE

PITOT TUBE

POINT DEPTH GAUGE

### DESCRIPTION

The Instrument Carrier is an ancillary for use with digital sensors that accurately measure the position of the attached instrument in x, y and z within TecQuipment's FC300 Flumes range. It is used to precisely place an instrument tip in the x, y plane at any point along the length of the flow channel (the z plane).

The instrument carrier is supplied with three instruments:

- Hook depth gauge
- Point depth gauge
- Pitot tube

The carrier consists of a base that fits to the rails that run along the top of the flow channel, and an upright that holds the instrument in position against scales that pinpoint its position.

The carriage can be fixed at any point along the channel.

The position of the centre point of the carrier is marked by a slot in its edge. The distance of the instrument is measured relative to an experiment unit fitted in the flume.

The instrument mounted in the carrier can slide from side to side across the section (the 'x' plane).

The instrument can also be moved up and down against the scale on the edge of the instrument carrier (the 'y' plane).

The FC300ic2 can therefore place an instrument accurately at any point along the length and cross-section of the channel. The reading is displayed locally and can be connected to the VDAS® unit supplied with the FC300 flume.

# ≡ DIGITAL INSTRUMENT CARRIER

**VDAS**® FC300IC2

## STANDARD FEATURES

- Five-year warranty
- Manufactured in accordance with the latest European Union directives
- ISO9001 certified manufacturer

## ASSOCIATED ANCILLARIES

FC300x Propeller Flowmeter with Digital Display, this instrument can be mounted onto the instrument carrier.

## OPERATING CONDITIONS

### OPERATING ENVIRONMENT:

Laboratory

### OPERATING TEMPERATURE RANGE:

5°C to 40°C

### OPERATING RELATIVE HUMIDITY RANGE:

80% for temperatures up to 31°C, decreasing linearly to 50% relative humidity at 40°C

## ESSENTIAL BASE UNIT

- Flume (FC300)

## RECOMMENDED ANCILLARIES

- Water velocity meter (FC300x)
- Manometer (FC300w)

## SPECIFICATIONS

TecEquipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design of a product specification without prior notice.

### NETT DIMENSIONS:

Carrier assembled: Height: 709 mm; length: 460 mm; width: 304 mm

Weight: 8 kg (including instruments)

Hook gauge length: 760 mm

Point gauge length: 745 mm

Pitot tube length: 770 mm

### DISPLAY UNIT

Height: 450 mm; width 200 mm; depth 75 mm

Weight: 5 kg

