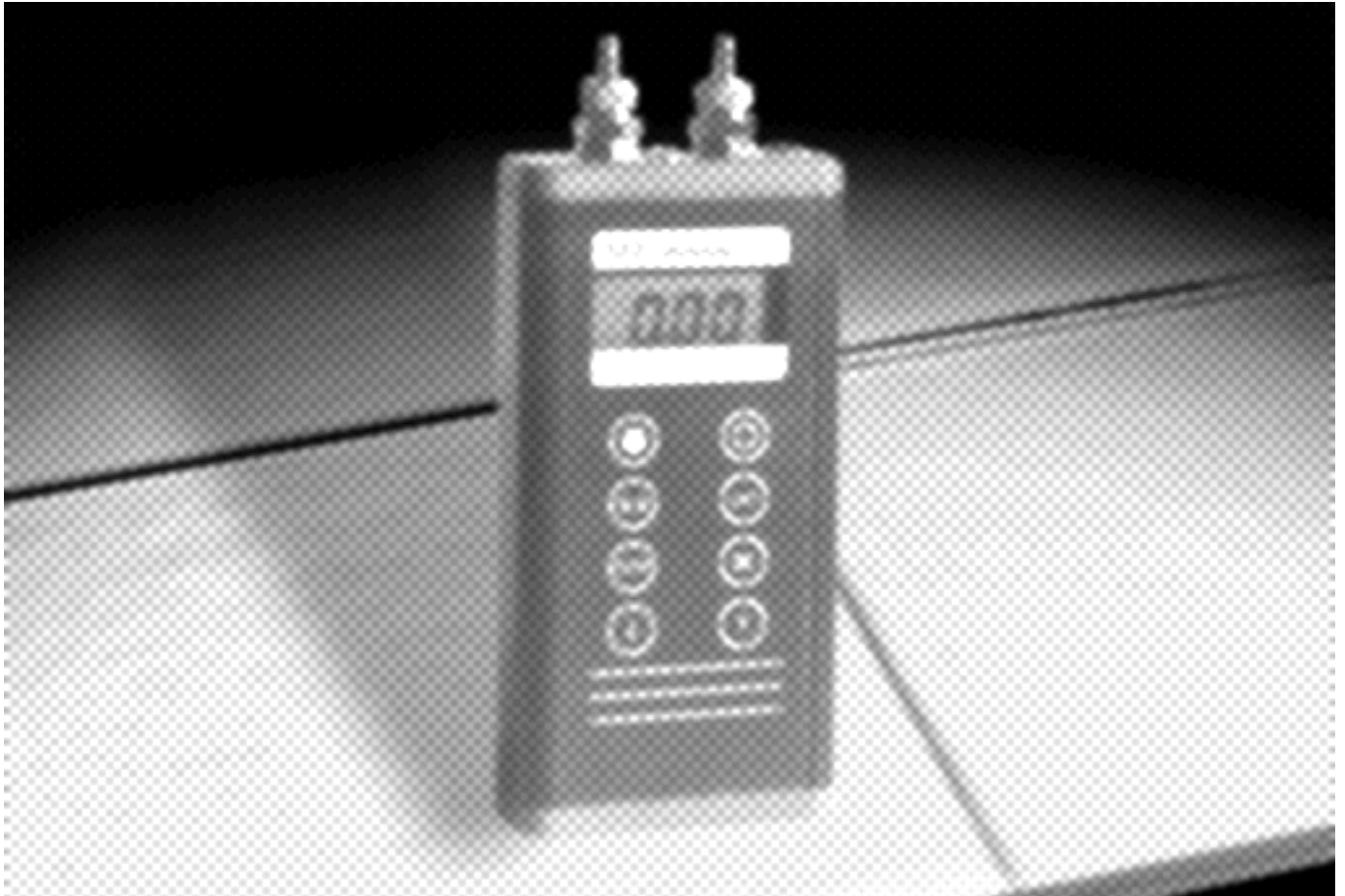


# Product Data Sheet

## AN400

### Portable Air Velocity Meter

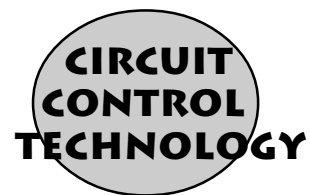


## OVERVIEW

- *This hand-held unit was manufactured in response to the current market needs for this type of device and utilises the very latest in microprocessor technology.*

*The AN400 is designed fundamentally as an air velocity meter and is able to take accurate readings from as low as 300 ft/min right up to 9999 ft/min. The microprocessor at the heart of this unit means that additional functionality is possible and indeed this unit boasts the additional capability to measure air pressure and air temperature all within the same package.*

*Designed for portability, the AN400 is manufactured with a rugged splash-proof aluminium case, this provides maximum durability in tough environments and linked with the units 300 hour battery life make it the ideal solution for many applications.*



**Circuit Control Technology Ltd.**  
**Omni House, Sheene Road**  
**Gorse Hill Industrial Estate**  
**Beaumont Leys, Leicester, LE4 1BF**  
**Tel: +44 (0) 116 2998000**  
**Fax: +44 (0) 116 2998001**  
**e-mail: [info@circuitcontroltechnology.com](mailto:info@circuitcontroltechnology.com)**

## Contents

<b>Overview</b>	<b>1</b>
<b>Features</b>	<b>2</b>
<b>Technical Specifications</b>	<b>3</b>

CCT REV.XA/14.05.2004

# Features

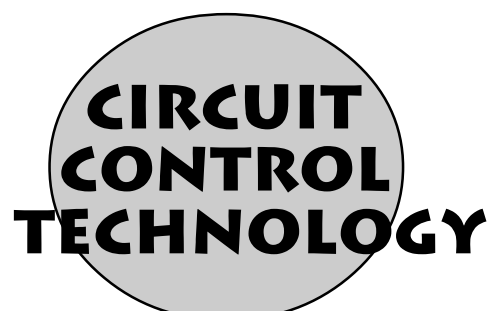
- **Robust aluminium case**
- **Splashproof**
- **High accuracy**
- **Back light display**
- **Auto switch off**
- **Smoothing function**
- **Velocity, temperature & pressure measurement**
- **Multi-point averaging**
- **Simple zero adjust**
- **Displays in both metric & imperial units**
- **Last configuration memorised**
- **Choice of pitots**
- **Fast accurate measurements**

## Accessories

**KIT COMPRISING: 12" AND/OR 18" PITOT TUBE, AIR TEMPERATURE PROBE, QUICK FIT PRESSURE CONNECTORS, RUBBER TUBING, NYLON TUBING, 9V PP3 BATTERY IN FOAM LINED CASE.**

## Applications

**DUST CONTROL ENGINEERS - AIR FLOWS, PRESSURE DROPS, DIFFERENTIAL PRESSURE, WIND TUNNELS, CLEAN ROOMS  
SAFETY MANAGERS - PERSONAL PROTECTION SYSTEMS, FUME CUPBOARDS, VENTILATION SYSTEMS, TANK MEASUREMENT.  
COMBUSTION ENGINEERS, FOOD, CHEMICAL/PHARMACEUTICAL PROCESSING  
RESEARCH INSTITUTIONS, PROCESS PLANT MANAGEMENT.**



# Technical Specifications

**UNIT:**

Part Number AN400.

**VELOCITY  
RANGE :**

1.5 to 58.0m/s, 300 to 9999 ft/min (@ 22 degC & 1013 mbar).

**AMBIENT TEMP:**

15 degC to 25 degC.

**ACCURACY :**

+/-0.2m/s @ 10m/s to 58m/s +/-0.3m/s @ 4m/s .

**PRESSURE  
RANGE :**

0.00 mbar to 20.00 mbar.

**AMBIENT TEMP:**

10 degC to 50 degC.

**ACCURACY :**

15 degC to 25 degC +/-0.2% reading +/- digit .  
10 degC to 50 degC +/-0.3% reading +/- digit .

**TEMPERATURE  
RANGE :**

-60 degC to 590 degC -76 degF to 1094 degF.

**AMBIENT TEMP:**

-10 degC to 50 degC.

**ACCURACY :**

(Centigrade) +/-0.1% reading +/-1 degC.  
(Fahrenheit) +/-0.1% reading +/-2 degF .

**BATTERY TYPE :**

9V MN1604 (PP3) or equivalent.

**BATTERY LIFE:**

300 hrs Typical.

**BATTERY WARNING :**

'BAT' displayed on led screen.

**CCT reserve the right to change product specifications at any time with out prior notification and as a consequence of on-going product development.**