www.kane.co.uk

UK Sales Hotline
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UK Service & Calibration Hotline
North: 01942 873434
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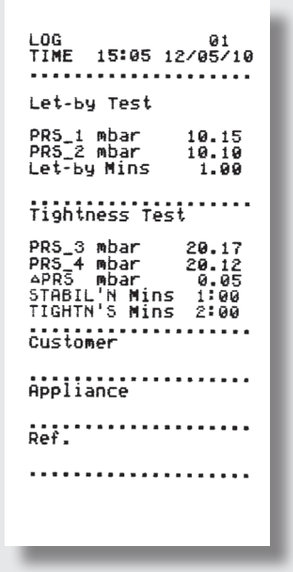
South: 01707 384834
E: sservice@kane.co.uk

Differential Pressure Meter

KANE3500

mbar
Pa
hPa
kPa
mmHg
mmH_2O
inH_2O
PSI

- 5 versions available
  KANE3500-1 ± 1 psi / 80 mbar
  KANE3500-2 ± 2 psi / 160 mbar
  KANE3500-5 ± 5 psi / 400 mbar
  KANE3500-15 ± 15 psi / 1040 mbar
  KANE3500-30 ± 30 psi / 2070 mbar
- Resolution to 0.1 pascal / 0.001 mbar on the KANE3500-1
- Temperature compensated for superior accuracy
- Switchable between high and low resolution.
- Switchable between: mbar, Pa, hPa, kPa, mmHg, mmH_2O, inH_2O and PSI
- Data hold and max/min recording
- Printouts include date/time and user details
- Automated Tightness Testing on KANE3500-1 and KANE3500-2



```
LOG                    01
TIME  15:05 12/05/10
.....................
Let-by Test

PRS_1 mbar     10.15
PRS_2 mbar     10.10
Let-by Mins     1.00

.....................
Tightness Test

PRS_3 mbar     20.17
PRS_4 mbar     20.12
ΔPRS  mbar      0.05
STABIL'N Mins  1:00
TIGHTN'S Mins  2:00
.....................
Customer

.....................
Appliance

.....................
Ref.

.....................
```

Headers can be customised by the user.

KANE3500-1 to -5

KANE3500-15 and -30

www.kane.co.uk

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Technical Specifications KANE3500

KANE3500-1 Specifications

Nominal Pressure Range	Measured Range	Resolution	Accuracy
± 80 mbar	± 0.2 mbar ± 1 mbar ± 80mbar	0.001 mbar 0.001 mbar 0.01 mbar	±0.005 mbar ±0.03 mbar ± 3% of reading

KANE3500-2 Specifications

Nominal Pressure Range	Measured Range	Resolution	Accuracy
± 160 mbar	± 0.2 mbar ± 19.999 mbar ± 160 mbar	0.003 mbar 0.003 mbar 0.01 mbar	±0.02 mbar ±0.05 mbar ± 3% of reading

KANE3500-5 Specifications

Nominal Pressure Range	Measured Range	Resolution	Accuracy
± 400 mbar	± 300 mbar ± 400 mbar	0.01 mbar 0.1 mbar	±0.05 mbar ± 3% of reading

KANE3500-15 Specifications

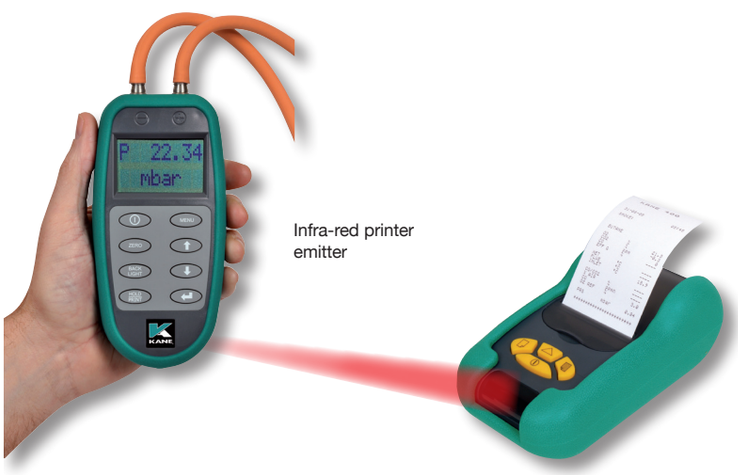
Nominal Pressure Range	Measured Range	Resolution	Accuracy
± 1040 mbar	± 310 mbar ± 1040 mbar	0.01 mbar 0.1 mbar	± 10 mbar ± 3% of reading

KANE3500-30 Specifications

Nominal Pressure Range	Measured Range	Resolution	Accuracy
± 2070 mbar	± 1076 mbar ± 2070 mbar	0.1 mbar 1 mbar	± 10 mbar ± 3% of reading

Max. Overrange for all models is 5 times nominal range.

Parameter	Description
Dimensions: Weight	295 grams with battery
Handset	160mm x 80mm x 40mm (180mm including spigots)
Ambient Operating Range	+0°C to +45°C 10% to 90% RH non-condensing
Power Supply	9 Volt PP3 alkaline battery



Temperature compensated for superior accuracy

All KANE3500 models are temperature compensated to minimise the "drift" in readings which can occur when electronic manometers are subject to temperature changes, e.g. when taken from a cold van into a warm building.

KANE3500-1 has high accuracy at low pressures

At low pressures the KANE3500-1 has a resolution of 0.001mbar and an accuracy of ± 0.005mbar – significantly better than any standard manometer. The KANE3500-1 is suitable for difficult applications such as 'flue draft' measurement and measuring the differential pressure of gas/air ratio valves on modern high efficiency boilers. The pressures in both these applications pulsate so the 'smooth' feature found on all the KANE3500 series can be used to damp the readings.

Manual logging and auto logging

All models can log up to 250 readings manually or automatically. The user can adjust the logging interval.

Let-by, Stabilisation and Tightness Tests

The KANE3500-1 and -2 can both perform timed Let-by, Stabilisation and Tightness Tests which are automatically logged in the memory. The user can adjust the duration of each test.

Printouts

All models have an infra-red output to an optional printer, (KMIRP or similar). 'Live', 'held' and 'logged' readings can be printed. Printouts include date, time and a 'header' which can be set by the user.

The KANE3500 series all have an integral protective boot and are supplied with pouch, connecting hose, calibration report, battery and manual.

Your distributor

Warranty

All Kane International Limited products are warranted for 12 months from the date of purchase. This warranty covers any defects in materials or manufacturing.

Kane International Limited specialise in the design, manufacture and marketing of electronic instruments for monitoring and optimising both energy usage and emissions from energy processes. Our Policy is to continuously develop and improve our products and so we reserve the right to change any part of our product specifications without prior notice.

The KANE logo is a registered trademark of Kane International Ltd.

Ref: KA3500UK10