

Datasheet:

DTA4000– Digital Thermo-Anemometer, with Data Acquisition, Instrument



Specifications:

Ranges:

Air Velocity:

Probe APT275: 40 - 7800 FPM (0.2 to 40.00 MPS)

Probe APT100: 60 - 6800 FPM (0.3 to 35.00 MPS)

Temperature (using either air velocity/temp. probe head):

-22° to 212°F (-30° to 100°C)

Temperature (using separate temperature probe):

-100° to 575.0°F (-100° to 300.0°C)

Accuracy:

Air Velocity: $\pm 1.0\%$ of Reading ± 1 digit
Temperature: $\pm 0.2\%$ of Reading ± 1 digit

Resolution:

Air Velocity: 1 FPM or 0.01 MPS
Temperature: 0.2°F or 0.1°C

Display:

0.5" LCD, 4 digits

Operating Temp:

Instrument 32° to 125°F / 0° to 50°C
Probe: -22° to 212°F / -30° to 100°C

Power Supply:

9V alkaline battery (Eveready 522)

Battery Life:

Approximately 30 hours

Battery Check:

Automatic low battery display

Data Acquisition:

Stores up to 1000 readings (temp and air flow) with manual save and optional timer.

Data Link:

RS232C, at 1200 baud with CTS and RTS signals

Analog Outputs:

Two 0-2 VDC analog outputs

Dimensions:

Instrument: 7.5" X 3.5" X 1.6"
Probes: APT275 - 2.75" dia.; APT100: 1" dia.

Weight:

18 Ounces with batteries

Optional:

Separate temperature only probes
Printer
Air velocity probe PN APT100/APT275

Timer

Extension rods PN 5001

Battery Eliminator

DTA4000 extension cable PN 3831

Display software

Ni-Cad battery and charger PN CG-3

Flexible rods PN5002

Unit comes complete with:

1 pc. vane type probe head, your choice of APT275 or APT100

2 pcs. extension rod PN 5001 and 1 pc. with handle grip PN 5003

1 pc. flexible rod PN 5002

1 pc. 5' connecting cable PN 3830

note: cable attached to APT100 probe

1 RS232C adapter cable

1 Analog output cable

1 pc. 9V alkaline battery PN 3340

1 pc. carrying case PN 6001