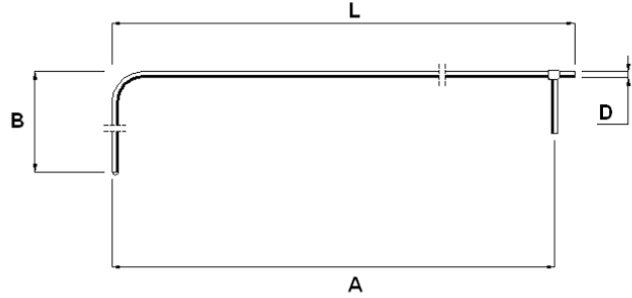


PITOT TUBE

The Pitot tube method looks at the differential pressure between the total pressure entering the tube and the static pressure entering a lateral hole in the tube. The dynamic pressure measurement that results is analysed and indicated as a velocity on the display.



PITOT TUBE	LENGHT (L)	HEIGHT (B)	DIAMETER (D)	TOT. LENGHT (A)
XD030	300 mm	65 mm	4 mm	270 mm
XD035	350 mm	65 mm	7 mm	295 mm
XD005	500 mm	65 mm	7 mm	445 mm
XD010	1000 mm	65 mm	7 mm	945 mm

AF 210 - HOT WIRE THERMO-ANEMOMETER

Digitrons' range of airflow meters uses Pitot tube and hot wire anemometer technology to cover a wide range of airflow measurements. The AF210 uses hot bead technology for accurate measurements in the range 0m/s - 10m/s and can also function as a thermometer using the same probe (interchangeable).

METHOD OF OPERATION

Hot wire anemometers are normally used for accurate measurements in the range 0m/s - 5m/s and up to +70°C (+158°F), after this point Pitot tube methods of measurement is required (cfr. AF200 Digitron).

- Temperature and air velocity measurement with a single probe
- Interchangeable probes
- Smoothing function for use in fluctuating airflows
- Units: metric and imperial
- Easy zero function
- n point averaging to ease airflow calculations

AF210D	Hot wire anemometer (without probe)	0.10 - 10.00m/s
AF210PD	Hot wire probe	0.10 - 10.00m/s
AF210KIT	Hot wire anemometer + Probe	0.10 - 10.00m/s

TECHNICAL FEATURES	
RANGE	0.1 - 10.00m/s 20.0 - 1999fpm -20 to +80°C / -4 to +176°F
ACCURACY	±0.12m/s ±1% rdg (5 to +45°C) ±0.20m/s ±2% rdg (5° & 45 to +70°C) ±24fpm ±1% rdg (20.0 - 199.9fpm) at 41 to +113°C ±40fpm ±2% rdg (200.0 - 1999fpm) at -4 to +41°C & 113 to +158°C ±0.5°C at 0 to +60°C, ±0.8°C elsewhere ±1°F at 32 to +86°F, ±1.6°F elsewhere
OPERATING TEMPERATURE INSTRUMENT	0°C to +50°C/+32°F to +122°F
OPERATING TEMPERATURE PROBE TIP	-20°C to +80°C/-4°F to +176°F
BATTERY LIFE	100 hours
BATTERY TYPE	1 9V PP3S
PROBE LENGHT	300mm/12" handle excluded
PROBE DIAMETER	13mm/0.5"
DISPLAY	12.7mm/0.5" LCD with automated legend display
AUTO SWITCH OFF	5 minuts approx, disable during correction and averaging modes
DIMENSIONS	140 x 79 x 46mm/5.5 x 2.8 x 1.0"
WEIGHT	250 gr / 8.8 oz