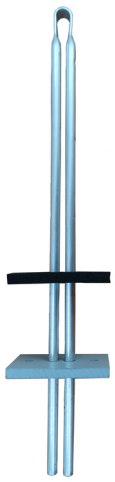
Probe Data Sheet Z-FP

The Z-FP probes are designed to sense velocity pressure in the air ducts including variable air volume terminal units. The high pressure port senses total pressure and the low pressure port senses static pressure. The difference between these pressures is velocity pressure. These probes are normally used in conjunction with electronic differential pressure transducers in HVAC systems.

There are various lengths available to accommodate ducts widths of 100 to 550mm.

Low cost and Robust Constructions.



2 YEAR WARRANTY

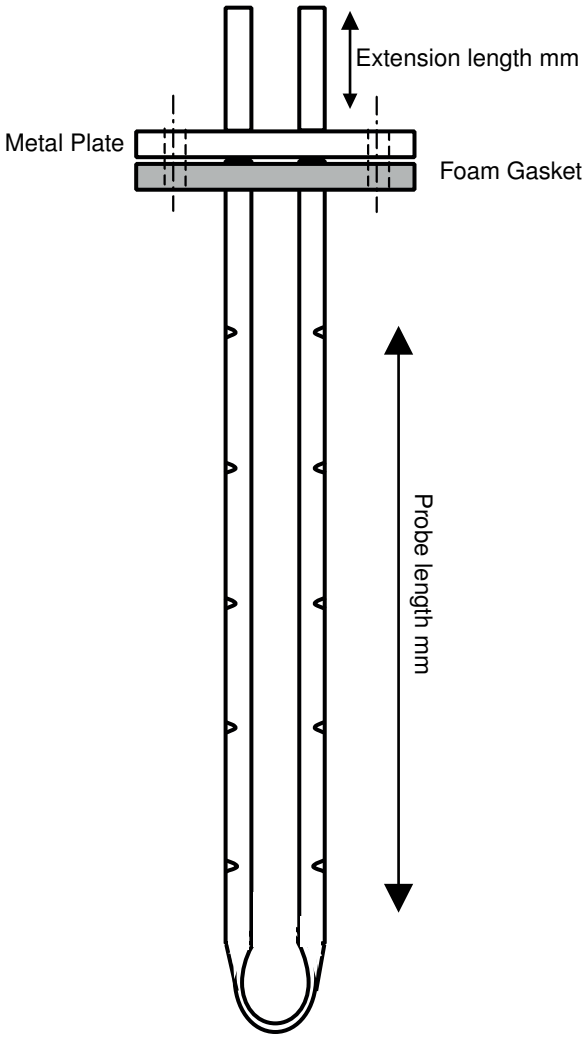
Type Overview

Type	Probe Size	Length, mm	Number of holes per leg
EXT-Z-FP100	100	80	1
Z-FP150	150	130	2
Z-FP200	200	180	3
Z-FP250	250	230	4
Z-FP300	300	280	5
Z-FP350	350	330	6
Z-FP400	400	380	7
Z-FP450	450	430	8
EXT-Z-FP500	500	480	9
EXT-Z-FP550	550	530	10

Specifications

Probe Material	Aluminium
Mounting Plate	PVC
Connections	6.35 mm tube for flexible tubing connection. Foam gasket and 2 x 250mm x 6.35mm clear vinyl tubing supplied with each probe.
Mounting and Location	Allow for at least 5 straight diameters of duct upstream from the probe. Required insertion hole size is 18 - 30mm diameter
Operation	The velocity pressure generated across probe is related to the air velocity. This is related nominally by the formula: P= 0.6 *V Where P is the velocity pressure in P{a and V is the air velocity in m/s (meters per second). Calibration can be performed by air balancing measuring equipment.

Dimensions



Type	Probe Size	Length, mm	Number of holes per leg	Extension Length, mm	Foam Gasket
EXT-Z-FP100	100	80	1	65	60 x 40 x 5
Z-FP150	150	130	2		
Z-FP200	200	180	3		
Z-FP250	250	230	4		
Z-FP300	300	280	5		
Z-FP350	350	330	6		
Z-FP400	400	380	7		
Z-FP450	450	430	8		
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