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PORTABLES ANEMOMETERS AIR SPEED MEASUREMENT PROBES HOT-WIRE PROBES

ORDER CODES

Probes complete with SICRAM module

**AIR SPEED MEASUREMENT PROBES
HOT-WIRE PROBES**

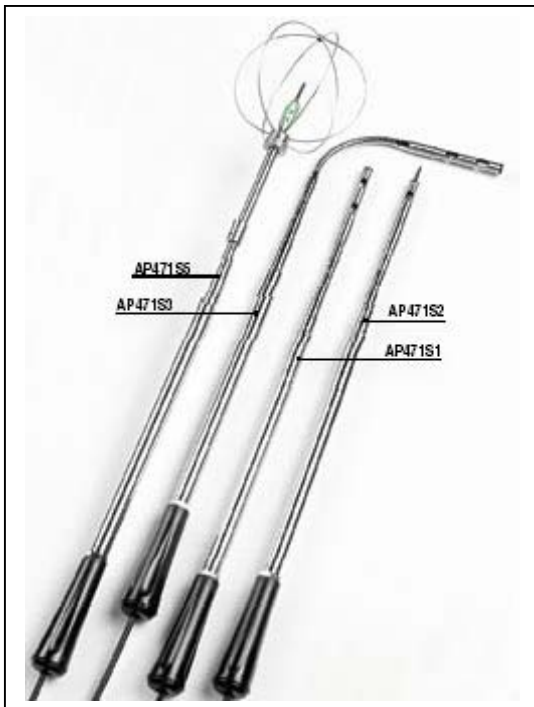
AP471 S1: Hot-wire telescopic probe, measuring range: 0...40m/s. Cable length 2 metres.

AP471 S2: Omnidirectional hot-wire probe, measuring range: 0...5m/s. Cable length 2 metres.

AP471 S3: Hot-wire telescopic probe with terminal tip for easy position, measuring range: 0...40m/s. Cable length 2 metres.

AP471 S4: Omnidirectional hot-wire telescopic probe with base, measuring range: 0...5m/s. Cable length 2 metres.

AP471 S5: Omnidirectional hot-wire telescopic probe, measuring range: 0...5m/s. Cable length 2 metres.



HOT-WIRE PROBES

AP471 S1 - AP471 S2 - AP471 S3 - AP471 S4 - AP471 S5

| | AP471 S1 AP471 S3 | AP471 S2 | AP471 S4 AP471 S5 |
|--|--|---|----------------------|
| Type of measure | Air speed, calculated flow rate, air temperature | | |
| Type of sensor | | | |
| Speed | NTC Thermistor | NTC Thermistor | |
| Temperature | NTC Thermistor | NTC Thermistor | |
| Measurement range | | | |
| Speed | 0 to 40 m/s | 0 to 5 m/s | |
| Temperature | -30 to 110 °C | -30 to 110 | 0 to 80 °C |
| Measurement resolution | | | |
| Speed | 0,01 m/s 0,1 km/h 1 ft/min 0,1 mph 0,1 knot | | |
| Temperature | 0,1 °C | | |
| Measurement accuracy | | | |
| Speed | ±0,05m/s (0 a 0,99 m/s) | ±0,02 m/s (0 a 0,99 m/s) | |
| | ±0,02 m/s (1 a 9,99 m/s) | ±0,01m/s (1 a 9,99 m/s) | |
| | ±0,6 m/s (10 a 40 m/s) | | |
| Temperature | ±0,4 °C (-30 a 110 °C) | ±0,4 °C (-30 a 110 °C) | |
| Minimum speed | 0 m/s | | |
| Air temperature compensation | 0 to 80 °C | | |
| Battery life | ~ 20 hours @ 20m/s with alkaline batteries | ~ 30 hours @ 20m/s with alkaline batteries | |
| Unit of measurement | | | |
| Speed | M/s - km/h - ft/min - mph - knot | | |
| Flow rate | l/s - m ³ /s - m ³ /min - m ³ /h - ft ³ /min | | |
| Pipeline section for flow rate calculation | 0,0001 to 1,9999 m ² | | |
| Cable length | ~ 2 m | | |