### Ellipsoidal Tip Pitot Tube

**Series 160E**

- Ellipsoidal tip design for improved accuracy, 1.0 coefficient
- 304 SS construction adds strength, resists corrosion
- Adjustable depth indicators for fast, consistent traverses
- Alignment indicator helps keep tip parallel to flow

**Series 160E Pitot Tubes** are widely used in the U.K. and Europe for applications demanding high accuracy when measuring the flow of air or other compatible gases. Precision crafted tip configuration allows air to pass smoothly with minimum turbulence for consistent, reliable readings. Exterior indicator arm is aligned parallel to the 5 in. (13 cm) sensing tip so you always know that unit is properly positioned inside duct. Sliding depth indicators grip firmly to ensure uniform insertion — critical when making multiple measurements as part of a complete traverse; the best way to determine average velocity. Total and static pressure taps are 1/4˝ (6 mm), permanently silver soldered to the connection block, leak-proof and durable. Seven fixed length sizes are offered plus a universal model which attaches to any length of 3/4˝ sch. 40 pipe. See 160-U drawing.

#### Series 160S Pitot Tubes

- Meets EPA specification 40 CFR (ch. 1)
- Long lasting, welded stainless steel construction
- 1/8˝ female NPT connections, permanently welded
- Rated at 1500°F (815°C)
- Rated to 100 psig (6.89 bar)
- 0.84 flow coefficient

**Series 160S Pitot Tubes** are designed specifically for flow measurement of dirty, particulate laden air or gas streams typical in smoke stack and other environmental testing. Large 5/16˝ dia. stainless steel tubing resists plugging under harsh, sooty conditions which quickly block conventional flow sensors. Total and static pressure tubes are precisely aligned and welded together every six inches for maximum accuracy, strength and long term durability. Versatile 1/8˝ female NPT connections easily adapt to any type of pipe or tubing. A pair of 1/8˝ NPT to 3/16˝ I.D. tubing adapters is included plus a handy molded vinyl cap to protect tip when not in use. Supplied with complete instructions.

#### Model 166T Telescoping Pitot Tube

The Model 166T Telescoping Pitot tube is a unique air flow sensor which can quickly and easily be adjusted for any duct insertion length from 11.5 to 36 inches (29.2 to 91.4 cm). Now, this single compact unit can replace up to five conventional fixed length Pitot tubes. For even greater convenience, it is securely protected by a custom fitted polyethylene carrying case. Telescoping sections lock in place as they are extended, enabling use of the handle grip to gauge proper alignment of the tip within the airstream. Stainless steel construction resists corrosion. Hemispherical tip has 1.0 flow coefficient, is 1/8˝ dia. (3.2 mm). Largest section is 3/8˝ (9.5 mm). Weight (with case) 1 lb, 9 oz (709 g). Case: 12.5 x 6.25 x 1.75 in.  

**Model 166T**