

Magic Box

Experience the enchantment of effortless flow measurement

A highly accurate flow measurement system that is lightweight and exceedingly portable. With PLC data acquisition, the Magic Box system provides a step-by-step test protocol for 3D, 2D, or standard velocity traverses with pitot style probes. Magic Box supports standard or Non-Nulling 3D testing.

Benefits of the Magic Box

- Lightweight
- Accurate
- Portable



SPECIFICATIONS

Software

Operating System	Industrial Programmable Logic Controller
User Interface	Touchscreen, Three Button RF Remote Controls (2)
Documentation	Magic Box Users Manual

Hardware

Dimensions	11.0" H x 17.5" W x 16.5" D
Weight	14 Pounds (17 Pounds with auto purge)
Housing	Heavy duty polypropylene case with O-ring sealed latched cover
Electrical Supply	120 VAC / 2A (240 VAC option available)
Operating Conditions	0°F to 135°F

Instrumentation

Primary Air Temperature	Type K Thermocouple, 32°F to 1000°F, Accuracy +/- 2°F
Velocity DP	0-10 IWC, Accuracy +/-0.025% FS below 2 IWC, +/-0.10% FS above 2 IWC
Yaw Angle DP	+/- 5 IWC, Accuracy +/-0.10% FS
Pitch Angle DP	+/- 2.5 IWC, Accuracy +/-0.05% FS below 0.5 IWC, +/-0.10% FS above 0.5 IWC
Static Pressure	+/- 60 IWC, Accuracy +/-0.25% FS

Note: All pressure transducers supplied with NIST traceable calibration.

Information

Support	10 hours telephone technical support
Warranty	One (1) Year Parts & Labor
Delivery	2-6 weeks, depending on options

OPTIONAL EQUIPMENT



Probes (3D, S-type)



Yaw angle encoder

For quotes or more information:

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