

**HD350 Pitot Tube Anemometer + Differential Manometer**



Includes pitot tube with two 33.5" (85 cm) connection hoses

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**Pitot Tube measures Air Velocity/Airflow in difficult-to-reach or tight locations where a vane anemometer won't fit**

- Simultaneous display of Pressure, Air Velocity or Air Flow plus Temperature
- ±0.7252 psi range
- 5 selectable units of pressure measurement
- Max/Min/Avg recording and Relative time stamp
- Data Hold and Auto Power Off functions
- Large LCD display with backlighting
- Zero function for offset correction or measurement
- Store/Recall up to 99 readings in each mode
- USB port includes software
- 3-year warranty
- Complete with Windows® compatible software with cable, 9 V battery, pitot tube with two 33.5" (85 cm) connection hoses, 100-240 V universal AC Adaptor with multiple plugs, and hard carrying case

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
<b>Pressure</b>			
psi	0.7252 psi	0.0001 psi	±0.3% FS
mbar	50.00 mbar	0.01 mbar	±0.3% FS
inH <sub>2</sub> O	20.07 inH <sub>2</sub> O	0.01 inH <sub>2</sub> O	±0.3% FS
mmH <sub>2</sub> O	509.8 mmH <sub>2</sub> O	0.01 mmH <sub>2</sub> O	±0.3% FS
Pa	5000 Pa	1 Pa	±0.3% FS
Linearity/Hysteresis	±0.29 FS		
Maximum Pressure	10 psi		
<b>Air Velocity/Flow</b>			
ft/min	200 to 15733 ft/min	1 ft/min	±1% FS
m/s	1 to 80.00 m/s	0.01 m/s	±1% FS
km/h	3.5 to 288.0 km/h	0.1 km/h	±1% FS
MPH	2.25 to 178.66 MPH	0.01 MPH	±1% FS
knots	2.0 to 154.6 knots	0.1 knots	±1% FS
CFM/CMM	0 to 99,999 CFM (CMM)	0.001 CFM (CMM)	±1% FS
Temperature	32.0 to 122.0°F (0 to 50°C)	0.1°	±3°F/1.5°C
Dimensions/Weight	Meter: 8.2x2.9x1.9" (210x75x50 mm)/12 oz (340 g); Pitot Tube: 15.4x7.7" (390x195 mm); Diameter: 0.32" (8 mm)/7.2 oz (204 g)		

**ORDERING**

HD350	Pitot Tube Anemometer + Differential Manometer
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**HD700 Series Differential Pressure Manometers**



**Low Range/High Resolution Gauge or Differential Pressure**

- Three models to choose from: Model HD700 ( $\pm 2$  psi range), Model HD750 ( $\pm 5$  psi range), and Model HD755 ( $\pm 0.5$  psi range)
- 11 selectable units of measure
- MAX/MIN recording and Relative time stamp
- Data Hold and Auto Power Off
- Zero function for offset correction or measurement
- Large LCD display with backlighting
- USB port includes PC software
- 3-year warranty
- Complete with 9 V battery, Windows® compatible software with USB cable, 100-240 V Universal AC adaptor, connection hose, built-in stand, and hard case

SPECIFICATIONS	HD700	HD750	HD755
psi	2 psi (0.001 psi)	5 psi (0.001 psi)	0.5 psi (0.001 psi)
inH <sub>2</sub> O	55.40 inH <sub>2</sub> O (0.01 inH <sub>2</sub> O)	138.3 inH <sub>2</sub> O (0.1 inH <sub>2</sub> O)	13.85 inH <sub>2</sub> O (0.01 inH <sub>2</sub> O)
mbar	137.8 mbar (0.1 mbar)	344.7 mbar (0.1 mbar)	34.47 mbar (0.01 mbar)
kPa	13.78 kPa (0.01 kPa)	34.47 kPa (0.01 kPa)	3.447 kPa (0.001 kPa)
inHg	4.072 inHg (0.001 inHg)	10.18 inHg (0.01 inHg)	1.018 inHg (0.001 inHg)
mmHg	103.4 mmHg (0.1 mmHg)	258.5 mmHg (0.1 mmHg)	25.85 mmHg (0.01 mmHg)
ozin <sup>2</sup>	32 ozin <sup>2</sup> (0.01 ozin <sup>2</sup> )	80 ozin <sup>2</sup> (0.01 ozin <sup>2</sup> )	8.00 ozin <sup>2</sup> (0.01 ozin <sup>2</sup> )
ftH <sub>2</sub> O	4.616 ftH <sub>2</sub> O (0.001 ftH <sub>2</sub> O)	11.53 ftH <sub>2</sub> O (0.01 ftH <sub>2</sub> O)	1.154 ftH <sub>2</sub> O (0.001 ftH <sub>2</sub> O)
cmH <sub>2</sub> O	140 cmH <sub>2</sub> O (0.1 cmH <sub>2</sub> O)	350.1 cmH <sub>2</sub> O (0.1 cmH <sub>2</sub> O)	2.59 cmH <sub>2</sub> O (0.01 cmH <sub>2</sub> O)
kgcm <sup>2</sup>	0.140 kgcm <sup>2</sup> (0.001 kgcm <sup>2</sup> )	0.351 kgcm <sup>2</sup> (0.001 kgcm <sup>2</sup> )	0.035 kgcm <sup>2</sup> (0.001 kgcm <sup>2</sup> )
bar	0.137 bar (0.001 bar)	0.344 bar (0.001 bar)	0.034 bar (0.001 bar)
Basic Accuracy	$\pm 0.3\%$ FS	$\pm 0.3\%$ FS	$\pm 0.3\%$ FS
Dimensions/Weight	Meter: 8.2x2.9x1.9" (210x75x50 mm)/9.8 oz (280 g)		

**ORDERING**

HD700 <b>N</b>	Differential Pressure Manometer (2 psi)
HD750 <b>N</b>	Differential Pressure Manometer (5 psi)
HD755 <b>N</b>	Differential Pressure Manometer (0.5 psi)

**407910 Heavy Duty Differential Pressure Manometer**



**Wide range dual input with multiple units and RS-232 interface**

- Dual differential inputs with internal sensors
- Wide ( $\pm 802$  inches of water) measurement range with high resolution to 0.5 inch
- Displays 8 types of pressure units
- Zero function for offset measurements
- Data Hold, Auto power off, and MAX/MIN
- Built-in PC interface — optional 407001-PRO Data Acquisition Software (see p. 109 for details)
- 3-year warranty
- Complete with 2 quick-disconnect fittings, 9 V battery, protective holster with stand, and case

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
psi	$\pm 29$ psi	0.02 psi	$\pm 1\%$ FS
mbar	$\pm 2000$ mbar	1 mbar	$\pm 2\%$ FS
kg/cm <sup>2</sup>	$\pm 2.040$ kg/cm <sup>2</sup>	0.001 kg/cm <sup>2</sup>	$\pm 1\%$ FS
mmHg	$\pm 1500$ mmHg	1 mmHg	$\pm 1\%$ FS
inHg	$\pm 59.05$ inHg	0.05 inHg	$\pm 1\%$ FS
mH <sub>2</sub> O	$\pm 20.40$ mH <sub>2</sub> O	0.01 mH <sub>2</sub> O	$\pm 1\%$ FS
inH <sub>2</sub> O	$\pm 802.0$ inH <sub>2</sub> O	0.5 inH <sub>2</sub> O	$\pm 1\%$ FS
Atmosphere	$\pm 1.974$ atm	0.001 atm	$\pm 1\%$ FS
Dimensions/Weight	Meter: 7x2.9x1.3" (178x74x33 mm)/12 oz (350 g)		

**ORDERING**

407910 <b>N</b>	Heavy Duty Differential Pressure Manometer
409997	Soft Vinyl Carrying Case
407001-PRO	Data Acquisition Software and Cable

**SDL710/SDL720/SDL730 Differential Pressure Manometers/Dataloggers**



Includes six AA batteries, Universal AC Adapter with plugs (US, EU, UK, AU), SD memory card, two quick coupler plugs, and hard case; 3-year warranty

**Dual differential inputs with internal sensors and datalogs using an SD card**

- Three models to choose from: SDL710 ( $\pm 2.9$  psi range), SDL720 ( $\pm 29$  psi range), and SDL730 ( $\pm 101.5$  psi range)
- Stores 99 readings manually
- Datalogger date/time stamps and stores readings on an SD card (included) in Excel® format for easy transfer to a PC
- Record/Recall Max/Min readings
- Data Hold and Auto power off with disable
- Large LCD display with backlighting
- Zero function for offset correction or measurement

SPECIFICATIONS	SDL710 (MAX RES)	SDL720 (MAX RES)	SDL730 (MAX RES)
mbar	200 mbar (0.1 mbar)	2000 mbar (1 mbar)	7000 mbar (5 mbar)
psi	2.9 psi (0.001 psi)	29 psi (0.01 psi)	101.5 psi (0.05 psi)
kg/cm <sup>2</sup>	0.204 kg/cm <sup>2</sup> (0.001 kg/cm <sup>2</sup> )	2.040 kg/cm <sup>2</sup> (0.001 kg/cm <sup>2</sup> )	7.135 kg/cm <sup>2</sup> (0.005 kg/cm <sup>2</sup> )
mmHg	150 mmHg (0.1 mmHg)	1500 mmHg (1 mmHg)	5250 mmHg (5 mmHg)
inHg	5.905 inHg (0.002 inHg)	59.06 inHg (0.02 inHg)	206.7 inHg (0.1 inHg)
mH <sub>2</sub> O	2.04 mH <sub>2</sub> O (0.001 mH <sub>2</sub> O)	20.40 mH <sub>2</sub> O (0.01 mH <sub>2</sub> O)	71.35 mH <sub>2</sub> O (0.05 mH <sub>2</sub> O)
inH <sub>2</sub> O	80.2 inH <sub>2</sub> O (0.05 inH <sub>2</sub> O)	802 inH <sub>2</sub> O (0.5 inH <sub>2</sub> O)	2810 inH <sub>2</sub> O (2 inH <sub>2</sub> O)
atm	0.197 atm (0.001 atm)	1.974 atm (0.001 atm)	6.905 atm (0.005 atm)
hPa	200 hPa (0.1 hPa)	2000 hPa (1 hPa)	7000 hPa (5 hPa)
kPa	20k Pa (0.01kPa)	200 kPa (0.1 kPa)	700 kPa (0.5 kPa)
Dimensions/Weight	7.5x2.7x1.8" (190x68x45 mm)/0.59 lbs (265g)		

**ORDERING**

SDL710	Differential Pressure Manometer/Datalogger (2.9 psi/200 mbar)
SDL720	Differential Pressure Manometer/Datalogger (29 psi/2000 mbar)
SDL730	Differential Pressure Manometer/Datalogger (101.5 psi/7000 mbar)

**SDL700 Pressure Meter/Datalogger**



Optional Pressure Transducers available in:  
30 psi (PT30)  
150 psi (PT150)  
300 psi (PT300)



**Datalogger date/time stamps and stores readings on an SD card in Excel® format for easy transfer to a PC**

- Accepts interchangeable transducers with ranges of 30, 150, 300 psi (transducers sold separately)
- Meter automatically senses plug-in transducer's range and calibration
- Selectable data sampling rate: 1 to 3600 seconds
- Internal memory stores 99 readings; External data storage on an SD card (included)
- Large backlit dual LCD
- MIN/MAX, Data Hold, and Auto Power Off functions
- Complete with 6 x AA batteries, SD memory card, and hard carrying case; 3-year warranty. Optional AC adaptor.

SPECIFICATIONS	30 psi	150 psi	300 psi
bar	0.002 to 2 bar	0.01 to 10 bar	0.02 to 20 bar
psi	0.02 to 29 psi	0.2 to 145 psi	0.2 to 290 psi
kg/cm <sup>2</sup>	0.002 to 2.040 kg/cm <sup>2</sup>	0.01 to 10.19 kg/cm <sup>2</sup>	0.02 to 20.40 kg/cm <sup>2</sup>
mmHg	2 to 1500 mmHg	10 to 7500 mmHg	20 to 15000 mmHg
inHg	0.05 to 59.05 inHg	0.2 to 295.2 inHg	0.5 to 590.5 inHg
mH <sub>2</sub> O	0.02 to 20.40 mH <sub>2</sub> O	0.1 to 101.9 mH <sub>2</sub> O	0.2 to 204.0 mH <sub>2</sub> O
inH <sub>2</sub> O	1 to 802 inH <sub>2</sub> O	5 to 4010 inH <sub>2</sub> O	10 to 8020 inH <sub>2</sub> O
atm	0.002 to 1.974 atm	0.01 to 9.87 atm	0.02 to 19.74 atm
hPa	2 to 2000 hPa	10 to 10000 hPa	20 to 20000 hPa
kPa	0.2 to 200.0 kPa	1 to 1000 kPa	2 to 2000 kPa
Dimensions/Weight	Meter: 7.2x2.9x1.9" (182x73x48 mm)/17.3 oz (490 g)		

**ORDERING**

SDL700 <b>N</b>	Pressure Meter/Datalogger
PT30	30 psi Pressure Transducer
PT150	150 psi Pressure Transducer
PT300	300 psi Pressure Transducer
UA100-240	100-240 V AC Adaptor with 4 plugs (US, EU, UK, AU)

