



# HVAC TEST & BALANCING EQUIPMENT

## CATALOG PRICES

THESE PRICES EFFECTIVE NOVEMBER 1, 2018

Phone: 219/879-8000 | Fax: 219/872-9057  
Email: orders@dwyermail.com | Web: dwyer-inst.com

DWYER INSTRUMENTS, INC. - DISCOUNT SCHEDULE			
	Industrial Discount Schedule*		
	Quantity of Each Item	Discounts	
<b>Note:</b>		Standard	Schedule B
Each item (model, range, part number, etc.) is discounted independently. In an order for more than one item, different items cannot be combined to earn a greater discount.	1-24	Net	Net
Most items are subject to STANDARD schedule at right. Prices followed by the symbol <b>(B)</b> are subject to discounts per schedule B.	25-99	5%	Net
Certain items such as repairs, repair parts, EXPL and WP housings, prices followed by the symbol <b>(N)</b> , special scale and tag charges are priced at net and earn no discount.	100-249	10%	5%
	250-499	15%	10%
	500-Up	20%	15%

\*Please contact us for discount schedules for other account types.

### DWYER INSTRUMENTS, INC. - TERMS AND CONDITIONS OF SALE – MARCH 15, 2017

- Prices and Specifications** are subject to change without notice.
- Shipping dates** are approximate. They are dependent upon credit approval and subject to delays beyond our control.
- Terms:** Net 30 days to companies with established credit rating. In the event Buyer fails to fulfill previous terms of payment, or in case Seller shall have any doubt at any time as to Buyer's financial responsibility, Seller may decline to make further deliveries except upon receipt of cash in advance or other special arrangements.
- Point and Title:** All material is sold EXW Ex Works Dwyer Instruments, Inc. Title to all material sold shall pass to buyer upon delivery by Seller to carrier at shipping point.
- State and Local Taxes:** Any taxes which the Seller may be required to pay or collect upon or with respect to the sale, purchase, delivery, use or consumption of any of the material covered hereby shall be for the account of the Buyer and shall be added to the purchase price.
- Special tooling,** dies, silk screens and molds acquired specially to produce goods for Buyer remain the property of Dwyer Instruments, Inc., and may not be removed. They will be maintained in good condition for a minimum period of three years from the date of the original purchase order.
- Trade Compliance:** Buyer acknowledges that the products, software, and technology, including technical information and documents (collectively "Items"), of Dwyer Instruments, Inc., are subject to regulation by agencies of the U.S. government including, but not limited to, the U.S. Department of Commerce. Buyer shall comply with the Export Administration Regulations (EAR) and all applicable U.S. laws and regulations regarding the sale, delivery and transfer of said Items. Buyer shall not, without first obtaining the required licenses, authorizations or approvals from the appropriate U.S. government agency; (i) export, re-export, transfer or divert any Item directly or indirectly to any country or national resident thereof, or any person, entity or country that has restrictions imposed upon them by the U.S. government, (ii) engage in, or knowingly sell to any party engaged in activity related to the development, production, use, testing, or maintenance of Weapons of Mass Destruction, including uses related to nuclear, missile, chemical or biological warfare, or (iii) engage in, or knowingly sell to any party engaged in activity related to the development, production, use, or maintenance of any safeguarded or unsafeguarded nuclear fuel facility or components for such facilities. Buyer shall fully cooperate with Seller, without charge, in any official audit or inspection by an authorized agent, official, employee, or accredited representative of the U.S. government. Buyer shall indemnify and hold Seller harmless from, or in connection with, any violation of this Section by Buyer, its employees, consultants, agents, or customers. The obligations, requirements and claims described herein shall survive the expiration of any business relationship with Dwyer Instruments, Inc., including its divisions, subsidiaries and affiliated companies.
- Distribution:** Products sold to any entity located in the U.S. must remain in the U.S. unless a Global Distribution Agreement is in force with said entity. OEM's are excluded from this requirement. Those who violate this term are subject to a reduction of discount, loss of discount, or exclusion from purchasing future products. If you want to be a Global Distributor, please contact your Global Sales Manager in your region.
- Limited Warranty:** The Seller warrants all Dwyer instruments and equipment to be free from defects in workmanship or material under normal use and service for a period of one year from date of shipment. Products qualifying for an extended warranty period will have the extended warranty as expressly indicated on the catalog page, web page, IOM, or will be covered by a specific written agreement that is (i) approved by an officer of Dwyer Instruments, Inc. and (ii) defines the warranty period. If no express statement of extended warranty is made, then the standard 1 year warranty applies. The Extended Limited Warranty only applies to products manufactured after April 1, 2017. The Warranty period extends from the date of shipment to the initial customer and not the project installation date or use.

Specific warranty exclusions include, but are not limited to:

- Specific product components not covered by the extended warranty:
  - o Humidity Sensors
  - o Batteries
  - o Electro-Chemical Gas Sensors
  - o Snap Switches
  - o Any component which exceed its normal life cycle
  - o Other Specific items added as required.
- Normal or excessive wear and tear is not cause for warranty replacement.
- Products not properly maintained, operated, installed, or use in an application not suited for the product.
- Modifications, alterations, changes, or additions outside those which are required for normal operation.
- Failure to notify Dwyer of any defect within a reasonable time.
- Damage which the customer has not taken timely action to minimize or mitigate.
- Products on which the labels, markings, nameplates, etc. have been tampered with.
- Products which contain broken factory seals or have been tampered with shall void warranty.

Liability under this warranty is limited to repair or replacement EXW Ex Works Dwyer Instruments, Inc. of any parts which prove to be defective within that time or repayment of the purchase price at the Seller's option. All products must be returned to the Seller, transportation prepaid, unless other arrangements have been pre-approved by Seller. All technical advice, recommendations and services are based on technical data and information which the Seller believes to be reliable and are intended for use by persons having skill and knowledge of the business, at their own discretion. In no case is Seller liable beyond replacement of equipment EXW Ex Works Dwyer Instruments, Inc. or the full purchase price. This warranty does not apply if the maximum ratings label is removed or if the instrument or equipment is abused, altered, used at ratings above the maximum specified, or otherwise misused in any way.

THIS EXPRESS LIMITED WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER REPRESENTATIONS MADE BY ADVERTISEMENTS OR BY AGENTS AND ALL OTHER WARRANTIES, BOTH EXPRESS AND IMPLIED. THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE FOR GOODS COVERED HEREUNDER.

- Buyer's Remedies:** THE BUYER'S EXCLUSIVE AND SOLE REMEDY ON ACCOUNT OF OR IN RESPECT TO THE FURNISHING OF NON-CONFORMING OR DEFECTIVE MATERIAL SHALL BE TO SECURE REPLACEMENT THEREOF AS AFORESAID. THE SELLER SHALL NOT IN ANY EVENT BE LIABLE FOR THE COST OF ANY LABOR EXPENDED ON ANY SUCH MATERIAL OR FOR ANY SPECIAL, DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES TO ANYONE BY REASON OF THE FACT THAT IT SHALL HAVE BEEN NON-CONFORMING OR DEFECTIVE.
- Acceptance:** All orders shall be subject to the terms and conditions contained or referred to in the Seller's quotation, acknowledgment, and to those listed here and to no others whatsoever. By placing an order you accept our terms and conditions. No waiver, alteration or modification of these terms and conditions shall be binding unless in writing and signed by an executive officer of the Seller. All orders are subject to written acceptance by Dwyer Instruments, Inc., Michigan City, Indiana, U.S.A.

# SMART AIR HOOD® BALANCING INSTRUMENT

Quad Flow Design Technology, Predictive Balancing

MODEL CHART		
Model	Description	Price
SAH-22	SMART Air Hood® Balancing Instrument with 2' x 2' (0.6 m x 0.6 m) opening	\$3300.00
A-SAH-12P	4.5' to 12' (1.4 m x 3.7 m) extendable pole (Required for operation)	60.00

ACCESSORIES		
Model	Description	Price
A-SAH-14S	Canvas hood 1' x 4' (0.3 m x 1.2 m)	\$150.00
A-SAH-24S	Canvas hood, 2' x 4' (0.6 m x 1.2 m)	150.00
A-SAH-33S	Canvas hood, 3' x 3' (0.9 m x 0.9 m)	150.00
A-SAH-15S	Canvas hood, 1' x 5' (0.3 m x 1.5 m)	150.00
A-SAH-BK	SAH adapter base kit for canvas hood	550.00
A-SAH-CK	Spare calibration kit with four Quad Flow Sensing Grids and Sensor Module	495.00
A-SAH-12P	4.5' to 12' (1.4 m x 3.7 m) extendable pole	60.00
NISTCALM-SAH	Re-certification service. Please contact your regional Dwyer distributor or Dwyer International Sales Office for scheduling your NIST recertification	295.00

MODEL UHH2

# UNIVERSAL HANDHELD TEST INSTRUMENT

Rugged Weatherproof Case, Works with Wireless Sensors

MODEL CHART		
Model	Description	Price
UHH2	Universal handheld base unit	\$613.00
AP2	Wireless thermo-anemometer, air velocity, & temperature probe	361.00
RP2	Wireless thermo-hygrometer, humidity, and temperature probe	294.00
VP2	Wireless 100 mm vane thermo-anemometer, air velocity, temperature, and humidity probe	387.00
WDPM-002	Wireless differential pressure module, ±2 in w.c. (498.18 Pa)	85.00
WDPM-005	Wireless differential pressure module, ±5 in w.c. (1245.4 Pa)	85.00
WDPM-010	Wireless differential pressure module, ±10 in w.c. (2490.9 Pa)	85.00
WDPM-020	Wireless differential pressure module, ±20 in w.c. (4981.8 Pa)	85.00
WDPM-030	Wireless differential pressure module, ±30 in w.c. (7472.7 Pa)	85.00
WDPM-100	Wireless differential pressure module, ±100 in w.c. (24909 Pa)	85.00
WDPM-200	Wireless differential pressure module, ±200 in w.c. (49818 Pa)	85.00
WDPM-350	Wireless differential pressure module, ±350 in w.c. (87181 Pa)	85.00

ACCESSORIES		
Model	Description	Price
KF-CC-304	Dual USB charger with North American adapter (1.5 A)	\$13.50
UHH-C1	Soft carrying case	39.00
UHH-C2	Heavy duty hard case with pre-cut foam inserts for additional sensors	227.00
UHH-CBL	USB to mini-USB cable	5.20
UHH-CBL2	USB to micro-USB cable	5.20
UHH-ICHRG	UHH dual USB charger with international adapters (1.0 A) (Not CE approved)	21.75

# AIR QUALITY TEST INSTRUMENT KITS

AQTIA Combines the UHH2 Universal Handheld with Compatible Probes

MODEL CHART				
Model	Parameters	Range	Engineering Units Available	Price
AQTIA-AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	\$974.00
AQTIA-RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K	907.00
AQTIA-VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	1000.00
AQTIA-WDPM-002	Pressure	±2 in w.c. (498.18 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00
AQTIA-WDPM-005	Pressure	±5 in w.c. (1245.4 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00
AQTIA-WDPM-010	Pressure	±10 in w.c. (2490.9 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00
AQTIA-WDPM-020	Pressure	±20 in w.c. (4981.8 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00
AQTIA-WDPM-030	Pressure	±30 in w.c. (7472.7 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00
AQTIA-WDPM-100	Pressure	±100 in w.c. (24909 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00
AQTIA-WDPM-200	Pressure	±200 in w.c. (49818 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00
AQTIA-WDPM-350	Pressure	±350 in w.c. (87181 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	974.00

Note: AQTIA series models supplied with: UHH2, UHH-BTG, wireless sensing probe, soft carrying case (UHH-C1), charging cable (UHH-CBL2), and headphones.  
 Note: Pro series models supplied with: UHH2, UHH-BTG, wireless sensing probe, soft carrying case (UHH-C1), charging cable (UHH-CBL2), headphones, heavy duty hard case with pre-cut foam inserts for additional sensors (UHH-C2), and NIST calibration certificate. For pro series models, replace AQTIA with AQTIAIP and add **+\$361.00**.

MODEL CHART - PROFESSIONAL KITS					
Model	Probes Provided	Parameters	Range	Engineering Units Available	Price
AQTIAIP-WDPM-002-PKIT	WDPM-002	Pressure	±2 in w.c. (498.18 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	\$3085.00
	AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	
	RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K	
	VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	
AQTIAIP-WDPM-005-PKIT	WDPM-005	Pressure	±5 in w.c. (1245.4 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa	3085.00
	AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	
	RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K	
	VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	
AQTIAIP-WDPM-010-PKIT	WDPM-010	Pressure	±10 in w.c. (± 2.5 kPa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mBar, Pa, hPa, and kPa	3085.00
	AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	
	RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K	
	VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K	

Note: Full professional kits supplied with UHH2, UHH-BTG, AP2 thermo-anemometer probe, RP2 thermo-hygrometer probe, VP2 thermo-anemometer probe, WDPM wireless differential pressure module, 160-18 stainless steel pitot tube, 160F straight stainless steel pitot tube, 160G averaging air flow grid, (2) A-303 portable static pressure tip, soft carrying case (UHH-C1), charging cable (UHH-CBL2), headphones, heavy duty hard case with pre-cut foam inserts for additional sensors (UHH-C2), and NIST calibration certificates.

MODEL UHH-BTG

# WIRELESS MOBILE GATEWAY

Converts UHH Probe Wireless Signals to Bluetooth SIG, Inc. Wireless Technology

MODEL CHART - CONVERTS THESE WIRELESS PROBES FOR USE WITH OUR MOBILE METER® SOFTWARE MOBILE APP		
Model	Description	Price
AP2	Wireless thermo-anemometer probe	\$361.00
RP2	Wireless thermo-hygrometer probe	294.00
VP2	Wireless 100 mm vane thermo-anemometer probe	387.00
WDPM-002	Wireless differential pressure probe ±2 in w.c.	85.00
WDPM-005	Wireless differential pressure probe ±5 in w.c.	85.00
WDPM-010	Wireless differential pressure probe ±10 in w.c.	85.00
WDPM-020	Wireless differential pressure probe ±20 in w.c.	85.00
WDPM-030	Wireless differential pressure probe ±30 in w.c.	85.00
WDPM-100	Wireless differential pressure probe ±100 in w.c.	85.00
WDPM-200	Wireless differential pressure probe ±200 in w.c.	85.00
WDPM-350	Wireless differential pressure probe ±350 in w.c.	85.00

Note: See wireless probe catalog page on the web for full specifications. ⓘ

MODEL CHART		
Model	Description	Price
UHH-BTG	Wireless mobile gateway	\$94.00

ACCESSORIES		
Model	Description	Price
UHH-ICHRG	Dual USB charger	\$21.75

# THERMO-HYGROMETER PROBE

Wireless, Measures Humidity, Temperature, Dew Point, and Wet Bulb Temperatures

MODEL CHART		
Model	Description	Price
RP2	Wireless thermo-hygrometer probe for use with the Model UHH handheld meter and the Mobile Meter® Software Test Instrument Mobile App	\$294.00

# THERMO-ANEMOMETER PROBE

Wireless, Measures Velocity, Flow, and Temperature

MODEL CHART		
Model	Probe Length	Price
AP2	8" (203.2 mm)	\$361.00
AP2-18	18" (457.2 mm)	\$376.00
AP2-24	24" (609.6 mm)	\$382.00
AP2-36	36" (914.4 mm)	\$392.00

# 100 MM VANE THERMO-ANEMOMETER PROBE

Wireless, Measures Velocity, Flow, Humidity, and Temperature

MODEL CHART		
Model	Description	Price
VP2	Wireless 100 mm vane thermo-anemometer probe for use with the Model UHH handheld meter and the Mobile Meter® Software Test Instrument Mobile App	\$387.00

# THERMO-HYGROMETER

Measures % RH, Temperature, Dew Point and Wet Bulb

MODEL CHART			OPTIONS		
Model	Description	Price	Use order code:	Description	Price
485B-1	Digital thermo-hygrometer includes 9V battery, sensing probe, wrist strap, soft carrying case and instructions	\$284.00	-NIST	NIST traceable calibration certificate	\$121.00

ACCESSORIES		
Model	Description	Price
RP1	Thermo-hygrometer % RH and temperature probe with coiled cable	\$170.00
UHH-C1	Soft carrying case	39.00
A-47X-BOOT	Protective magnetic rubber boot	13.00

# INDOOR AIR QUALITY METER

Measures CO<sub>2</sub>, Temperature and Humidity

MODEL CHART				
Model	CO <sub>2</sub> Range	Humidity Range	Temperature Range	Price
AQH-20	0 to 2000 ppm	0.0 to 99.9%	14 to 140°F (-10 to 60°C)	\$277.00

ACCESSORIES		
Model	Description	Price
TH-CAL	33% and 75% salt bath calibration standards	\$131.00

# 100 MM VANE THERMO-ANEMOMETER TEST INSTRUMENT

Measures Air Velocity or Air Volume, Temperature, and Humidity Simultaneously

MODEL CHART		
Model	Description	Price
473B-1	Vane thermo-anemometer test instrument	\$411.00

OPTIONS		
To order add suffix:	Description	Price
-COC	Certificate of calibration	-
-FC	Factory calibration certificate	+\$30.00
-NIST	NIST traceable calibration certificate	+215.00

Example: 473B-1-NIST

ACCESSORIES		
Model	Description	Price
A-47X-BOOT	Protective magnetic rubber boot	\$13.00
A-VPX-CKIT	Vane hood kit	322.00
AP1*	Hot wire thermo-anemometer probe with coiled cable	206.00
RP1*	Thermo-hygrometer probe with coiled cable	170.00
UHH-C1	Soft carrying case	39.00
VP1*	100 mm vane thermo-anemometer probe with coiled cable (replacement)	232.00

\*Consult website for more details.

## MODEL 471B

# THERMO-ANEMOMETER TEST INSTRUMENT

Measures Air Velocity or Air Volume and Temperature Simultaneously

MODEL CHART		
Model	Description	Price
471B-1	Digital thermo anemometer includes 9V battery, sensing probe, wrist strap, soft carrying case and instructions	\$386.00

ACCESSORIES - CASES		
Model	Description	Price
UHH-C1	Spare soft carrying case	\$39.00
A-160-CASE	Hard carrying case for longer probes (18" to 36")	171.00
A-47X-BOOT	Protective magnetic rubber boot	13.00

OPTIONS		
Use order code:	Description	Price
-NIST	NIST traceable calibration certificate	\$215.00

ACCESSORIES - PROBES			
Model	Probe Length	Description	Price
AP1	8"	Thermo anemometer air velocity & temperature probe with coiled cable	\$206.00
AP1-18	18"	Thermo anemometer air velocity & temperature probe with coiled cable	222.00
AP1-24	24"	Thermo anemometer air velocity & temperature probe with coiled cable	227.00
AP1-36	36"	Thermo anemometer air velocity & temperature probe with coiled cable	237.00

## SERIES 490A-HKIT

# HYDRONIC DIFFERENTIAL PRESSURE METER KIT

Liquid and Gas Pressure Measurement,  $\pm 0.5\%$  FS Accuracy

MODEL CHART											
Model	Range (psi)	Available Pressure Units & Resolution**								Maximum Pressure	Price
		bar	psi	in Hg	kPa	in w.c.	mm Hg	mbar	ft w.c.		
490A-1-HKIT	0 to 15	1.034	15.00	30.54	103.4	415.2	775.7	1034	34.60	30 psig	\$2044.00
490A-2-HKIT	0 to 30	2.069	30.00	61.08	206.9	830.4	1551	2069	69.20	60 psig	2044.00
490A-3-HKIT	0 to 50	3.447	50.00	101.8	344.7	1384	2585	3447	115.3	100 psig	2044.00
490A-4-HKIT	0 to 100	6.895	100.0	203.6	689.5	2768	5171	6895	230.7	200 psig	2044.00
490A-5-HKIT	0 to 500	34.47	500.0	1018	3447	9999*	9999*	9999*	1153	1000 psig	2044.00
490A-6-HKIT	0 to 200	13.79	200.0	407.2	1379	5536	9999*	9999*	461.3	400 psig	2044.00

\*Digits will display smaller units until all 4 digits are exceeded.

\*\*Readings less than 10% of range will provide one additional decimal place than shown for higher resolution.

ACCESSORIES		
Model	Description	Price
A-47X-BOOT	Rubber boot for manometers (manometer no included)	\$13.00
A-HKIT-AFIT	Adapter fitting kit for the 490A-HKIT, includes pairs of SAE 1/4" adapters and elbow fittings	32.50
A-HKIT-BFIT	Adapter fitting kit for the 490A-HKIT, includes pair of bleed fitting assemblies	30.50
A-HKIT-HOSES	One pair red & blue 60" SAE replacement hoses for the 490A-HKIT, each with integral ball valve	57.00
A-HKIT-500	Piercing gage adapter for the 490A-HKIT, 1/8" dia x 1-1/2" length (2 per kit)	45.50
A-HKIT-500XL	Piercing gage adapter for the 490A-HKIT, 1/8" dia x 3" length (2 per kit)	81.00
A-HKIT-510	Piercing gage adapter for the 490A-HKIT, 1/16" dia x 1-1/2" length (2 per kit)	66.00
NIST Calibration	Please contact your regional Dwyer distributor or Dwyer International Sales Office for scheduling your NIST recertification	109.00

# DIFFERENTIAL PRESSURE MODULES

Wireless, Measures Differential Pressure, Air Velocity, and Flow

MODEL CHART			
Model	Range	Maximum Pressure	Price
WDPM-002	±2 in w.c. (±500 Pa)	10 psi (68.9 kPa)	<b>\$85.00</b>
WDPM-005	±5 in w.c. (±1250 Pa)	10 psi (68.9 kPa)	<b>85.00</b>
WDPM-010	±10 in w.c. (±2.5 kPa)	10 psi (68.9 kPa)	<b>85.00</b>
WDPM-020	±20 in w.c. (±5 kPa)	20 psi (137.9 kPa)	<b>85.00</b>
WDPM-030	±30 in w.c. (±7.5 kPa)	20 psi (137.9 kPa)	<b>85.00</b>
WDPM-100	±100 in w.c. (±25 kPa)	15 psi (103.4 kPa)	<b>85.00</b>
WDPM-200	±200 in w.c. (±50 kPa)	45 psi (310.3 kPa)	<b>85.00</b>
WDPM-350	±350 in w.c. (±87 kPa)	45 psi (310.3 kPa)	<b>85.00</b>

ACCESSORIES		
Model	Description	Price
A-WDPM-BRK	Differential pressure mounting bracket	<b>\$10.25</b>

SERIES UHH-ACC

# HANDHELD ACCESSORIES

ACCESSORIES		
Model	Description	Price
UHH-ICHRG	UHH dual USB charger with international adapters (1.0 A) (Not CE approved)	<b>\$21.75</b>
UHH-CBL	USB cable	<b>5.20</b>
UHH-CBL2	USB to micro-USB cable	<b>5.20</b>
UHH-C1	Soft carrying case	<b>39.00</b>
UHH-SD	2 GB SD card	<b>10.25<sup>(1)</sup></b>
KF-CC-304	Dual USB CHARGER with North American adapter (1.5 A)	<b>13.50<sup>(2)</sup></b>
UHH-C2	Heavy duty hard case with pre-cut foam inserts for additional sensors	<b>227.00</b>
A-VPX-CKIT	Vane hood kit	<b>322.00</b>
A-WDPM-BRK	Differential pressure mounting bracket	<b>10.25</b>

<sup>(1)</sup> Items are net priced and are not subject to any discount.  
<sup>(2)</sup> Items are subject to Schedule B discounts.

SERIES 477AV

# HANDHELD DIGITAL MANOMETER

Measures Pressure, Flow and Velocity; ±0.5% Accuracy

MODEL CHART																	
Model	Price	Pressure Range	Velocity Range		Available Pressure Units												Maximum Pressure
			fpm	m/s	psi	in Hg	kPa	in w.c.	mm Hg	mbar	mm w.c.	Pa	ft w.c.	oz/in <sup>2</sup>	hPa	cm w.c.	
477AV-000	<b>\$295.00</b>	0 to 1.000 in w.c.	4004	20.34	-	0.0736	0.2491	1.000	1.868	2.491	25.40	249.1	0.0833	0.5780	2.491	2.540	5 psig
477AV-00	<b>277.00</b>	0 to 4.000 in w.c.	8009	40.69	0.1445	0.2942	0.996	4.000	7.473	9.96	101.6	996	0.3333	2.312	9.964	10.16	5 psig
477AV-0	<b>277.00</b>	0 to 10.00 in w.c.	1.266k	64.33	0.3613	0.7355	2.491	10.00	18.68	24.91	254.0	2491	0.8333	5.780	24.91	25.40	5 psig
477AV-1	<b>277.00</b>	0 to 20.00 in w.c.	1.791k	90.97	0.7225	1.471	4.982	20.00	37.36	49.82	508.0	4982	1.667	11.56	49.82	50.80	10 psig
477AV-2	<b>179.00</b>	0 to 40.00 in w.c.	25.33k	128.7	1.445	2.942	9.96	40.00	74.73	99.6	1016	9964	3.333	23.12	99.64	101.6	10 psig
477AV-3	<b>179.00</b>	0 to 200.0 in w.c.	56.63k	287.7	7.225	14.71	49.82	200.0	373.6	498.2	5080	-	16.67	115.6	498.2	508.0	30 psig
477AV-4	<b>179.00</b>	0 to 10.00 psi	66.62k	338.4	10.00	20.36	68.95	276.8	517.1	689.5	7031	-	13.07	160.0	689.5	703.1	30 psig
477AV-5	<b>179.00</b>	0 to 20.00 psi	94.22k	478.6	20.00	40.72	137.9	553.6	1034	1379	-	-	46.13	320.0	1379	1406	60 psig
477AV-6	<b>179.00</b>	0 to 30.00 psi	115.4k	586.2	30.00	61.08	206.9	830.4	1551	2069	-	-	69.20	480.0	2068	2109	60 psig
477AV-7	<b>179.00</b>	0 to 100.0 psi	210.7k	1070	100.0	203.6	689.5	2768	5171	6895	-	-	230.7	1600	6895	7031	150 psig
477AV-8	<b>179.00</b>	0 to 150.0 psi	258.0k	1311	150.0	305.4	1034	4152	7757	-	-	-	346.0	2400	-	-	200 psig

OPTIONS		
To order add suffix:	Description	Price
-NIST	NIST traceable calibration certificate	<b>+\$109.00</b>

Example: 477AV-1-NIST

ACCESSORIES		
Model	Description	Price
A-402A	Carrying case; tough gray nylon pouch protects any Series 477AV Manometer; double zippered for quick and easy access, with a belt loop that snaps closed; 7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm)	<b>\$42.25</b>
UHH-C1	Soft carrying case	<b>39.00</b>
A-47X-BOOT	Protective magnetic rubber boot	<b>13.00</b>

# INTRINSICALLY SAFE HANDHELD DIGITAL MANOMETER

Ranges from 1 in w.c. to 150 psid,  $\pm 0.5\%$  Accuracy

MODEL CHART				
Model	English Range	Metric Range	Maximum Pressure	Price
475-000-FM	0 to 1.000 in w.c.	.2491 kPa	5 psig	\$274.00
475-00-FM	0 to 4.000 in w.c.	0.996 kPa	5 psig	205.00
475-0-FM	0 to 10.00 in w.c.	2.491 kPa	5 psig	205.00
475-1-FM	0 to 20.00 in w.c.	4.982 kPa	10 psig	205.00
475-2-FM	0 to 40.00 in w.c.	9.96 kPa	10 psig	147.00
475-3-FM	0 to 200.0 in w.c.	49.82 kPa	30 psig	147.00
475-4-FM	0 to 10.00 psi	.6895 bar	30 psig	147.00
475-5-FM	0 to 20.00 psi	1.379 bar	60 psig	147.00
475-6-FM	0 to 30.00 psi	2.069 bar	60 psig	147.00
475-7-FM	0 to 100.0 psi	6.895 bar	150 psig	147.00
475-8-FM	0 to 150.0 psi	10.34 bar	200 psig	147.00

ACCESSORIES		
Model	Description	Price
A-402A	Carrying case, tough gray nylon pouch protects any Series 475 manometer, double zippered for quick and easy access, belt loop that snaps closed, 7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm) Soft carrying case	\$42.25
UHH-C1	Protective magnetic rubber boot	39.00
A-47X-BOOT		13.00

OPTIONS		
To order add suffix:	Description	Price
-AV	Air velocity kit, includes the Series 475 manometer, two A-303 static pressure tips two 9' lengths 3/16" ID rubber tubing, no. 166-6-CF pitot tube, A-397 step drill, A-532 air velocity slide chart and instruction bulletin H-11, all packed in a tough, molded plastic carrying case with die cut foam liner.	+\$161.00
Examples: 475-1-AV, \$366.00; 475-000-AV, \$435.00		
-NIST	NIST traceable calibration certificate	+109.00
Example: 475-1-NIST		

SERIES 475-AV & 477-AV KITS

## AIR VELOCITY KITS

Digital Manometer and Pitot Tube for Balancing System Air Flows

MODEL CHART - 475-XX-FM-AV		
Model	Range	Price
475-00-FM-AV	0-4.000 in w.c.	\$366.00
475-0-FM-AV	0-10.00 in w.c.	366.00
475-1-FM-AV	0-20.00 in w.c.	366.00
475-2-FM-AV	0-40.00 in w.c.	308.00

MODEL CHART - 475-XXT-FM-AV		
Model	Range	Price
475-00T-FM-AV	0-4.000 in w.c.	\$487.00
475-0T-FM-AV	0-10.00 in w.c.	487.00
475-1T-FM-AV	0-20.00 in w.c.	487.00

MODEL CHART - 477AV-XXXT-AV		
Model	Range	Price
477-000T-AV	0-1.000 in w.c.	\$657.00
477-00T-AV	0-4.000 in w.c.	635.00
477-0T-AV	0-10.00 in w.c.	635.00
477-1T-AV	0-20.00 in w.c.	635.00

SERIES 476A & 478A

## SINGLE PRESSURE DIFFERENTIAL PRESSURE DIGITAL MANOMETERS

Electronic Zeroing,  $\pm 1.5\%$  Accuracy

MODEL CHART													
Model	Range in w.c.	Available Pressure Units									Resolution in w.c.	Maximum Pressure	Price
		bar	psi	in Hg	kPa	in w.c.	mm Hg	mbar	mm w.c.	Pa			
476A-0	-20.0 to 20.0	.0498	0.723	1.471	4.98	20.00	37.4	49.8	508	-	0.02	5 psig	\$95.50
478A-0	-4.00 to 4.00	-	.1445	.294	0.996	4.00	7.47	9.96	101.6	996	0.01	5 psig	167.00
478A-1	-60.0 to 60.0	.1495	2.168	4.41	14.95	60.0	112.1	149.5	1524	-	0.1	5 psig	130.00

OPTIONS		
To order add suffix:	Description	Price
-NIST	NIST traceable calibration certificate	+\$109.00
Example: 478A-1-NIST		

ACCESSORIES		
Model	Description	Price
A-402A	Carrying case, tough gray nylon pouch protects any Series 476A/478A manometer, double zippered for quick and easy access, belt loop that snaps closed, 7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm)	\$42.25
UHH-C1	Soft carrying case	39.00
A-47X-BOOT	Protective magnetic rubber boot	13.00

# HANDHELD DIGITAL MANOMETER

Precise Air Pressure Measurement,  $\pm 0.1\%$  Accuracy

MODEL CHART													
Model	Range	Available Pressure Units										Maximum Pressure	Price
		bar	psi	in Hg	kPa	in w.c.	mm Hg	mbar	ft w.c.	mm w.c.	Pa		
477B-1	0 to 20.00 in w.c.	.0498	.7225	1.471	4.982	20.00	37.36	49.82	1.667	508.0	4982	3 psig	\$405.00
477B-2	0 to 40.00 in w.c.	.0996	1.445	2.942	9.96	40.00	74.73	99.6	3.333	1016	9964	3 psig	405.00
477B-3	0 to 200.0 in w.c.	.4982	7.225	14.71	49.82	200.0	373.6	498.2	16.67	5080	-	15 psig	405.00
477B-4	0 to 10.00 psi	.6895	10.00	20.36	68.95	276.8	517.1	689.5	23.07	7031	-	30 psig	405.00
477B-5	0 to 30.00 psi	2.069	30.00	61.08	206.9	830.4	1551	2069	69.20	-	-	60 psig	405.00
477B-6	0 to 50.00 psi	3.447	50.00	101.8	344.7	1384	2585	3447	115.3	-	-	100 psig	405.00
477B-7	0 to 100.0 psi	6.895	100.0	203.6	689.5	2768	5171	6895	230.7	-	-	200 psig	405.00

OPTIONS		
To order add suffix:	Description	Price
-NIST	NIST traceable calibration certificate	<b>+\$109.00</b>

Example: 477B-1-NIST

ACCESSORIES		
Model	Description	Price
A-402A	Carrying case; tough gray nylon pouch protects any Series 477B Manometer; double zippered for quick and easy access, with a belt loop that snaps closed; 7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm)	\$42.25
UHH-C1	Soft carrying case	39.00
A-47X-BOOT	Protective magnetic rubber boot	13.00

SERIES HM35

# PRECISION DIGITAL PRESSURE MANOMETER

Up to 0.05% Accuracy, Graphical Display, Data Logging Capability

MODEL CHART - ERROR LIMIT 0.2% FS FOR GAGE, VACUUM, AND DIFFERENTIAL PRESSURE			
Model	Range	Over Pressure	Price
HM3531DLB300	0 to 10 in w.c. (0-2.5 kPa)	50 in w.c.	\$1630.00
HM3531DLC300	0 to 28 in w.c. (0-7 kPa)	140 in w.c.	1566.00
HM3531DLE300	0 to 80 in w.c. (0-20 kPa)	600 in w.c.	1492.00
HM3531DLF300	0 to 120 in w.c. (0-30 kPa)	600 in w.c.	1566.00
HM3531DLG300	0 to 200 in w.c. (0-50 kPa)	58 psi	1492.00
HM3531DLH300	0 to 14.5 psi (0-100 kPa)	58 psi	1492.00

Note: For higher accuracy models, change the 10th digit from a 3 to a 1 (0.05% FS), 2 (0.1% FS), or 6 (0.1% of reading); higher accuracies are only available on 0 to 28 in of w.c. range or higher.

Example: HM3531DLC100 (0 to 28 in w.c. with 0.05% accuracy); consult factory for pricing.

OPTIONS		
Use order code:	Description	Price
NISTCAL-MD	NIST traceable calibration certificate	\$109.00

ACCESSORIES		
Model	Description	Price
HM28-0	1/8" NPT adapter (1 piece)	\$57.50
HM35-1	Communication software key	569.00
HM35-2	Infrared RS-232 serial adapter, required to download stored data to a PC	250.00
HM35-3	External power converter with U.S. plug adapter, input 100 to 240 VAC, 50/60 Hz	161.00

SERIES HM28

# PRECISION HANDHELD DIGITAL MANOMETER

High Accuracy (0.2%, 0.1% or 0.05%), Differential, Gage or Absolute

MODEL CHART		
Model	Features	Price
<b>Error limit 0.2% FS for gage, underpressure and differential pressure</b>		
HM28D3B10000	0 to 10 in w.c. (2.5 kPa)	\$1535.00
HM28D3C10000	0 to 28 in w.c. (7 kPa)	1564.00
HM28D3F10000	0 to 120 in w.c. (30 kPa)	1535.00
<b>Error limit 0.05% FS for gage, underpressure and differential pressure</b>		
HM28D3C30000	0 to 28 in w.c. (7 kPa)	2291.00
HM28D3F30000	0 to 120 in w.c. (30 kPa)	2334.00
HM28D3K30000	0 to 100 psi (700 kPa)	2334.00
<b>For absolute pressure</b>		
HM28A3I10000	0 to 15.9 psia (0.2% FS (110 kPa abs))	2329.00

Note: Consult factory for 0.10% models.

ACCESSORIES		
Model	Description	Price
HM28-0	1/8" NPT adapter (1 piece)	\$57.50
HM28-1	Communication software and cable	1036.00
HM28-2	Universal power adapter	235.00

OPTIONS		
Use order code:	Description	Price
NISTCAL-MD	NIST traceable calibration certificate	\$109.00



# FLEX-TUBE® U-TUBE MANOMETERS

MODEL CHART						
Model	Price	Model	Price	Model	Price	Ranges
1221-8-W/M	\$30.75	1222-8-W/M	\$41.00	1223-8-W/M	\$84.00	8 (4-0-4) in w.c.
1221-12-W/M	33.50	1222-12-W/M	44.00	1223-12-W/M	84.50	12 (6-0-6) in w.c.
1221-16-W/M	35.00	1222-16-W/M	45.50	1223-16-W/M	85.00	16 (8-0-8) in w.c.
1221-20-W/M	36.75	1222-20-W/M	47.50	1223-20-W/M	85.50	20 (10-0-10) in w.c.
1221-24-W/M	38.50	1222-24-W/M	48.50	1223-24-W/M	89.50	24 (12-0-12) in w.c.
1221-36-W/M	42.75	1222-36-W/M	57.00	1223-36-W/M	94.00	36 (18-0-18) in w.c.
1221-M200-W/M	30.75	1222-M200-W/M	41.00	1223-M200-W/M	84.00	M200 (100-0-100) mm w.c.
1221-M300-W/M	33.50	1222-M300-W/M	44.00	1223-M300-W/M	84.50	M300 (150-0-150) mm w.c.
1221-M400-W/M	35.00	1222-M400-W/M	45.50	1223-M400-W/M	85.00	M400 (200-0-200) mm w.c.
1221-M600-W/M	38.50	1222-M600-W/M	48.50	1223-M600-W/M	89.50	M600 (300-0-300) mm w.c.
1221-M1000-W/M	42.75	1222-M1000-W/M	57.00	1223-M1000-W/M	94.00	M1000 (500-0-500) mm w.c.

Note: To order models with red gage fluid change -W/M to -D.

OPTIONS		
To order add suffix:	Description	Price
-NIST	NIST traceable calibration certificate	<b>+\$109.00</b>

Example: 1230-8-W/M-NIST

SERIES 1211 & MODEL 1212

# SLACK TUBE® MANOMETERS

MODEL CHART							
Model	Range, In.	Hg Req'd (oz.)	Price	Metric Model	Range, CM	Hg Req'd (oz.)	Price
1211-8	4 to 0 to 4	6	\$70.50	1211-50	25 to 0 to 25	11	\$86.50
1211-12	6 to 0 to 6	7	78.00	1211-100	50 to 0 to 50	18-1/2	88.50
1211-16	8 to 0 to 8	9	78.50	1211-200	100 to 0 to 100	35	111.00
1211-24	12 to 0 to 12	12-1/2	82.50				
1211-30	15 to 0 to 15	15	85.50				
1211-36	18 to 0 to 18	17-1/2	86.50				
1211-48	24 to 0 to 24	22-1/2	103.00				
1211-60	30 to 0 to 30	27	109.00				
1211-72	36 to 0 to 36	32	109.00				
1211-120	60 to 0 to 60	57	117.00				

MODEL CHART		
Model	Description	Price
1212	Gas pressure kit	\$95.50

SERIES 1227

# DUAL RANGE FLEX-TUBE® U-INCLINED MANOMETERS

MODEL CHART		
Model	Description	Price
1227	English units	\$85.50
1227M	Metric units	85.50

SERIES 1213

# GAS PRESSURE MANOMETER

The "Tube in a Tube" Direct Reading Manometer

MODEL CHART		
Model	Length (mm)	Price
1213-15	7" (177.8)	\$28.25

SERIES MARK II

# MOLDED PLASTIC AIR VELOCITY METERS

Low in Cost, Direct Reading Scales Offer 3% Accuracy, For Portable or Stationary Applications

MODEL CHART		
Model	Range	Price
Mark II 27	0 to 7000 FPM	\$53.00
Mark II 28	0 to 10500 FPM	194.00
Mark II 40-250 Pa-AV	0 to 21 MPS	79.50

Note: Pitot tube not included with models above.

ACCESSORIES		
Model	Description	Price
A-612	Portable stand (for models 27, 28)	\$38.75

# AIR VELOCITY METERS

MODEL CHART - WITH COMBINATION INCLINED/VERTICAL SCALES*						
Model	Range in w.c.	Velocity FPM	Minor Div.; Range in w.c.		Pitot Tube	Price
			Inclined	Vertical		
400-10-Kit	0 to 10	400 to 12600	.01, 0 to 1.0	.10, 1 to 10	18 in	\$1233.00
400-10-Gage	0 to 10	400 to 12600	.01, 0 to 1.0	.10, 1 to 10	None	897.00

\*Rated for total pressures to 100 psig (6.89 bar); temperatures to 150°F (65°C)

MODEL 460

# AIR METER/DRAFT GAGE

A Low-Cost, Direct Reading Instrument Used for Air Velocity & Static Pressure Tests

ACCESSORIES		
Model	Description	Price
A-378	Tube of 3 replacement floats	\$12.00
A-379	Supply grille probe	8.10
A-380	Return grille probe	9.30
A-381	Cleaning kit including 1 anti-static chemically treated pipe stem cleaner and nylon high range orifice cleaner	5.10

MODEL CHART		
Model	Description	Price
460	Air meter, complete kit	\$44.25

SERIES 160

# STAINLESS STEEL PITOT TUBES

ASME Design Meets AMCA and ASHRAE Codes

MODEL CHART					
Standard 5/16" Diameter Model	Insertion Length	Price	Longer Length with Stiffener Model	Insertion Length	Price
160-8	8-5/8"	\$76.50	160-96	96"	\$398.00
160-12	12-5/8"	78.50	Pocket Size 1/8" Diameter Model	Insertion Length	Price
160-18	18-5/8"	84.00			
160-24	24-5/8"	87.50	166-6	6"	\$85.50
160-36	36-5/8"	100.00	166-12	12"	88.00
160-48	48-5/8"	102.00	167-6	6"	85.50
160-60	60-5/8"	136.00	167-12	12"	88.00
Model	Description				Price
160-KIT	Kit containing 160-18, 160-24, 160-36, 160-48, and carrying case				\$373.00

OPTIONS		
To order add suffix:	Description	Price
-CF	1/8" male NPT compression fitting, mounting option for Series 166/167	+\$11.75
Example: 166-6-CF		

ACCESSORIES		
Model	Description	Price
A-156	Flange mounting plate 1/2" female NPT	\$16.25
A-158	Split flange mounting. Can be added to any Dwyer® No. 160 standard pitot tube. Cadmium plated steel. Gasket is pattern for mounting holes. Secure flange loosely to tube, adjust tube depth and tighten screws. Gasket of 1/16" Neoprene fits tightly around tube and against duct for leak-proof seal. Nuts, washers included.	13.75
A-159	Mounting gland. Versatile adapter slips on any Series 160, 5/16" standard pitot tube made after Dec. 1990. Two-part stainless steel fitting slides over tube and provides permanent, secure mounting. Where duct interior is accessible, use the washers and jam nut supplied. For blind applications or in thicker materials, use model A-156 flange mounting plate. Once tube is adjusted to proper depth and angle, tighten smaller hex bushing to lock position. Graphite bushing inside assures leak-proof seal even at higher temperatures. TFE bushing also available. <b>Note:</b> For full insertion with this fitting, order next longer pitot tube. A-159 mounting gland is used for both duct mounting and flange mounting.	28.00
A-160-CASE	Carrying case for pitot tubes up to 48"	171.00
A-397	Step drill. For fast, convenient installation of pitot tubes in sheet metal ducts. No center punch needed; automatic de-burring. Drills six sizes from 3/16"-1/2" in 1/16" increments.	55.00

# STRAIGHT STAINLESS STEEL PITOT TUBES

MODEL CHART					
Model	Probe Length	Price	Model	Description	Price
160F	18" (457.2 mm)	\$168.00	160F-KIT	Kit containing 160-18, 160-24, 160-36, 160-48, and carrying case	\$948.00
160F-24	24" (609.6 mm)	196.00			
160F-36	36" (914.4 mm)	253.00			
160F-48	48" (1219.2 mm)	280.00			
160F-60	60" (1524 mm)	335.00			

ACCESSORIES		
Model	Description	Price
A-156	Flange mounting plate 1/2" female NPT	\$16.25
A-158	Split flange	13.75
A-159	Mounting gland	28.00
A-160-CASE	Carrying case for pitot tubes up to 48"	171.00
A-397	Step drill	55.00

MODEL 160E

# ELLIPSOIDAL TIP PITOT TUBE

Designed to Meet ISO Standard 3966

MODEL CHART		
Model	Insertion in Meters	Price
160E-00	0.2	\$146.00
160E-01	0.3	148.00
160E-02	0.48	152.00
160E-03	0.8	155.00
160E-04	1.0	161.00
160E-05	1.22	169.00
160E-06	1.52	175.00

ACCESSORIES		
Model	Description	Price
A-160-CASE	Carrying case for pitot tubes up to 1.22 m	\$171.00

SERIES 160S

# "S" TYPE STAINLESS STEEL PITOT TUBES

Large, Open Tip Design Resists Fouling; Optional Permanent Mount Models

MODEL CHART					
Model	Insertion in Inches	Price	Perm. Mtg. Model	Insertion in Inches	Price
160S-18	18	\$190.00	160S-18PM	18	\$500.00
160S-24	24	190.00	160S-24PM	24	523.00
160S-36	36	196.00	160S-36PM	36	591.00
160S-48	48	209.00			
160S-60	60	233.00			
160S-72	72	256.00			

ACCESSORIES		
Model	Description	Price
A-160-CASE	Carrying case for pitot tubes up to 48"	\$171.00

Note: Permanent Mounting (PM) models include 1 inch dia. welded stainless steel sleeve and adjustable compression fitting with 1 inch male NPT mounting treads. Adjust depth, lock in place.

MODEL 166T

# TELESCOPING STAINLESS STEEL PITOT TUBE

Adjustable Design Extends Insertion Length to 36 Inches

MODEL CHART		
Model	Description	Price
166T	Telescoping pitot tube	\$201.00

MODEL 160G

# AVERAGING AIR FLOW GRID

Extends Over 50" to Aid in Air Flow Output Checks

MODEL CHART		
Model	Description	Price
160G	Averaging air flow grid	\$205.00

ACCESSORIES		
Model	Description	Price
UHH-C2	Protective hard case	\$227.00

# DIFFERENTIAL PRESSURE ANEMOMETER

Bi-Directional Anemometer, No Sensing Electronics

MODEL CHART		
Model	Description	Price
ANE-1	Differential pressure anemometer	\$324.00

MODEL 480

# VANEOMETER™ SWING VANE ANEMOMETER

Use This Sensitive Dwyer Unit to Measure Low Air Velocities — at Low Cost

MODEL CHART		
Model	Description	Price
480	25 to 400 FPM	\$35.25
M480	0 to 2.0 m/s	37.00

ACCESSORIES		
Model	Description	Price
A-390	Extra vanes, pkg. of 2	\$12.00
A-407	Plastic carrying pouch	21.00

SERIES MARK II

# WIND SPEED INDICATOR

MODEL CHART		
Model	Scale	Price
Mark II WSI	mph	\$138.00
Mark II WSI Metric	kph	138.00

SERIES WIND METER

# PORTABLE WIND METER

MODEL CHART		
Model	Scale	Price
Wind Meter-MPH	mph	\$30.75
Wind Meter-KNOT	knots	30.75
Wind Meter-KPH	kph	30.75
Wind Meter-MPS	mps	30.75

ACCESSORIES		
Model	Description	Price
A-376	Replacement floats for windmeter, tube of 3	\$12.00

MODEL MW-1

# POCKET WIND METER

Measures Wind Speed and Temperature, Wide Range

MODEL CHART		
Model	Description	Price
MW-1	Hand-held, mini-vane thermo-anemometer	\$51.00

ACCESSORIES		
Model	Description	Price
A-166	Replacement vane for MW-1	\$1.20

MODEL VT-300

# MINIATURE VANE THERMO-ANEMOMETER

Telescoping Probe Measures Air Velocity, Air Volume, Temperature, and Humidity

MODEL CHART		
Model	Description	Price
VT-300	Miniature vane thermo-anemometer	\$390.00

ACCESSORIES		
Model	Description	Price
A-VT300-P	Replacement probe with miniature vane	\$197.00
A-551	Replacement probe with large vane	62.00

# DUAL INPUT THERMOCOUPLE THERMOMETER

Accepts J, K, T Thermocouples, Differential Temperature Indication

MODEL CHART		
Model	Description	Price
472A-1	Digital Input Thermocouple Thermometer	\$90.50

ACCESSORIES		
Model	Description	Price
472A-B	Rubber boot	\$7.10
1818-0074	Immersion probe	40.25 <sup>(B)</sup>
1818-0078	Penetration probe	51.00 <sup>(B)</sup>
1818-0082	Surface probe	116.00 <sup>(B)</sup>
1818-0085	Air duct probe	88.50 <sup>(B)</sup>
1718-0077	Remote probe handler	83.00 <sup>(B)</sup>

<sup>(B)</sup> Items are subject to Schedule B discounts.

HANDHELD THERMOCOUPLES			
Model	Description	T/C Type	Price
1718-0001	General Purpose Probe: Featuring a built-in handle with coiled cord and mini-plug, this general purpose probe can be used in liquids and air compatible gases. For use to 800°F.	J	\$121.00 <sup>(B)</sup>
1718-0002		K	121.00 <sup>(B)</sup>
1718-0014	Penetration Probe: Featuring a built-in handle with coiled cord and mini-plug, this probe is used for penetrating meat, plastic, rubber, asphalt, or other semi-soft materials.	J	98.50 <sup>(B)</sup>
1718-0015		K	94.00 <sup>(B)</sup>

<sup>(B)</sup> Items are subject to Schedule B discounts.

OPTIONS		
Use order code:	Description	Price
NISTCAL-TG	NIST traceable calibration certificate	\$100.00 <sup>(N)</sup>

<sup>(N)</sup> Items are net priced and are not subject to any discount.

MODEL 1205B

# HANDHELD CO/CO<sub>2</sub> GAS ANALYZER

Measures Indoor Air Quality, Includes Sampling Probe with Hose

MODEL CHART		
Model	Description	Price
1205B-0	Gas analyzer and logger for CO and CO <sub>2</sub>	\$1405.00

ACCESSORIES		
Model	Description	Price
1205B-US	120 VAC power adapter for 1205B	\$103.00
1205B-EU	240 VAC power adapter for 1205B	107.00
1205B-PR	Replacement probe for 1205B	123.00

MODEL 1207A

# HANDHELD FLUE GAS COMBUSTION ANALYZER

Rotary Dial Selection, Display 4 Parameters Simultaneously

ACCESSORIES		
Model	Description	Price
1207A-US	120 VAC power adapter	\$88.50
1207A-EU	230 VAC power adapter	88.50
1207A-SP	Serial printer	634.00
1207A-PP	Printer paper for 1207A-SP	54.50
1207A-RF	Replacement filter	57.50

MODEL CHART		
Model	Description	Price
1207A	Handheld flue gas combustion analyzer	\$1353.00

SERIES LPTK

# GAS PRESSURE TEST KIT

Convenient Kit Perfect For Testing LP and Natural Gas Controls

MODEL CHART		
Model	Range	Price
LPTK-01	0 to 15 in w.c. & 0 to 8.6 oz/in <sup>2</sup>	\$37.75
LPTK-02	0 to 32 in w.c. & 0 to 18.5 oz/in <sup>2</sup>	37.75
LPTK-03	0 to 4 kPa & 0 to 40 mbar	36.75
LPTK-04	0 to 8 kPa & 0 to 80 mbar	37.75

Note: Consult factory for other range options.

MODEL TAC-L

# PORTABLE DIGITAL TACHOMETER

Contact or Photo Non-Contact Operation, Backlit LCD

MODEL CHART		
Model	Description	Price
TAC-L	Contact/non-contact digital tachometer	\$83.50

ACCESSORIES		
Model	Description	Price
TAC-5	Reflective tape, 5' (1.5 m) roll, 1/2" (13 mm) wide	\$26.50

# CURRENT/VOLTAGE SIGNAL GENERATOR

Ramp Function, Large Numeric LCD Display

MODEL CHART		
Model	Description	Price
CSG	Current/voltage signal generator	\$200.00

MODEL ASG

# ANALOG SIGNAL GENERATOR

Ramp Function, Bar Graph LED, Selectable Auto Shut Off

MODEL CHART		
Model	Description	Price
ASG	Analog signal generator	\$197.00

MODEL HP

# HAND PUMP

Generates Pressures up to 45 psig (3 bar), Single Hand Operation

MODEL CHART		
Model	Description	Price
HP	Hand pump	\$796.00

ACCESSORIES		
Model	Description	Price
HP-1K	Service kit	\$148.00
HP-1C	Hard case	277.00

SERIES CHP

# PNEUMATIC HAND PUMP

Vacuum or Pressure, Ranges up to 100 psig

MODEL CHART		
Model	Description	Price
CHP-P	Pressure calibration pump	\$533.00
CHP-V	Vacuum calibration pump	533.00

ACCESSORIES		
Model	Description	Price
CHP-KIT	2' hose and NPT fitting	\$68.50

MODEL A-396A

# CALIBRATION PUMP

Generates up to 72 psig, Integral Bleed Fitting

MODEL CHART		
Model	Description	Price
A-396A	Calibration pump	\$354.00 <sup>®</sup>

<sup>®</sup> Items are subject to Schedule B discounts.

MODEL A-350

# ASPIRATOR BULB

Single Hand Operation, Vacuum or Pressure

MODEL CHART		
Model	Description	Price
A-350	Aspirator bulb	\$15.25

SERIES PCHP

# PNEUMATIC CALIBRATION HAND PUMP

Generates up to 600 psi (40 bar), Comfort Grip Handles

MODEL CHART		
Model	Description	Price
PCHP-1	Pneumatic calibration hand pump	\$955.00
PCHP-1K	Pneumatic calibration hand pump with hose kit	1142.00

ACCESSORIES		
Model	Description	Price
PCHP-HK	High pressure hose	\$113.00

# HYDRAULIC CALIBRATION HAND PUMP

Triple Filtration, Generates Pressure up to 10,000 psi (700 bar)

MODEL CHART		
Model	Description	Price
HCHP-1	Calibration hand pump	\$1377.00
HCHP-1K	Calibration hand pump with hose kit	1636.00

ACCESSORIES		
Model	Description	Price
HCHP-1F	Spare washer and filter kit	\$32.25

MODEL LPCP

# LOW PRESSURE CALIBRATION PUMP

High Resolution for Calibrating Low Pressure Gages and Transmitters

MODEL CHART		
Model	Description	Price
LPCP-2	Low pressure calibration pump	\$1360.00

ACCESSORIES		
Model	Description	Price
A-113A	Fitting kit. Includes (1) 1/4" NPT to 1/8" quick connect fitting, (1) 1/4" NPT to hose barb fitting, (1) hose barb fitting to 1/8" quick connect fitting, (2) 19.7" (0.5 m) length of blue 1/8" O.D. tubing, (2) 12" (0.3 m) length of clear 1/4" O.D. tubing	\$77.00

SERIES BCHP

# LOW PRESSURE CALIBRATION PUMP

Vacuum or Pressure, Generates up to 870 psi (60 bar)

MODEL CHART		
Model	Description	Price
BCHP-1	Calibration test pump	\$761.00
BCHP-KIT	Test pump with 1/4" NPT connections, fine volume adjustment tool and case	1140.00

ACCESSORIES		
Model	Description	Price
A-BCHP-CASE	Case for BCHP-1	\$180.00
A-BCHP-NPT	1/4" BSP to 1/8" NPT, 1/4" NPT, 3/8" NPT and 1/2" NPT converter set for test connection	125.00
A-BCHP-VAT	Fine volume adjustment tool	54.50