



Air Quality Test Instruments Kits

AQTIA Combines the UHH2 Universal Handheld with Compatible Probes

Models Select Chart

Model	Description
AQTIA-AP2	Air Quality Test Instrument Kit with UHH2 base unit, AP2 wireless hot wire thermo-anemometer, and UHH-BTG wireless mobile gateway.
AQTIAP-AP2	Air Quality Test Instrument Kit with UHH2 base unit, AP2 wireless hot wire thermo-anemometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-RP2	Air Quality Test Instrument Kit with UHH2 base unit, RP2 wireless hot wire thermo-anemometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-VP2	Air Quality Test Instrument Kit with UHH2 base unit, VP2 wireless hot wire thermo-anemometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-002	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 2" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-002-PKIT	Full professional kits include: UHH2, UHH-BTG, AP2 thermo-anemometer probe, RP2 thermo-hygrometer probe, VP2 thermo-anemometer probe, WDPM-002 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.
AQTIAP-WDPM-005	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 5" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-005-PKIT	Full professional kits include: UHH2, UHH-BTG, AP2 thermo-anemometer probe, RP2 thermo-hygrometer probe, VP2 thermo-anemometer probe, WDPM-005 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.
AQTIAP-WDPM-010	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 10" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-010-PKIT	Full professional kits include: UHH2, UHH-BTG, AP2 thermo-anemometer probe, RP2 thermo-hygrometer probe, VP2 thermo-anemometer probe, WDPM-010 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.
AQTIAP-WDPM-020	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 20" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-030	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 30" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-100	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 100" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-200	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 200" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIAP-WDPM-350	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 350" w.c. manometer, and UHH-BTG wireless mobile gateway in hard carrying case with NIST Certificate.
AQTIA-RP2	Air Quality Test Instrument Kit with UHH2 base unit, RP2 wireless thermo-hygrometer, and UHH-BTG wireless mobile gateway.
AQTIA-VP2	Air Quality Test Instrument Kit with UHH2 base unit, VP2 wireless vane thermo-anemometer, and UHH-BTG wireless mobile gateway.

AQTIA-WDPM-002	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 2" w.c. manometer, and UHH-BTG wireless mobile gateway.
AQTIA-WDPM-005	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 5" w.c. manometer, and UHH-BTG wireless mobile gateway.
AQTIA-WDPM-010	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 10" w.c. manometer, and UHH-BTG wireless mobile gateway.
AQTIA-WDPM-020	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 20" w.c. manometer, and UHH-BTG wireless mobile gateway.
AQTIA-WDPM-030	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 30" w.c. manometer, and UHH-BTG wireless mobile gateway.
AQTIA-WDPM-100	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 100" w.c. manometer, and UHH-BTG wireless mobile gateway.
AQTIA-WDPM-200	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 200" w.c. manometer, and UHH-BTG wireless mobile gateway.
AQTIA-WDPM-350	Air Quality Test Instrument Kit with UHH2 base unit, WDPM wireless 350" w.c. manometer, and UHH-BTG wireless mobile gateway.
RP2	Wireless Thermo-Hygrometer Probe for use with the Model UHH handheld meter and the Mobile Meter® Software Test Instrument App.
VP2	Wireless 100 mm Vane Thermo-Anemometer Probe for use with the Model UHH2 handheld meter and the Mobile Meter® Software Test Instrument App.
WDPM-002	Wireless DP Module $\pm 2"$ w.c. (± 500 Pa)
WDPM-005	Wireless DP Module $\pm 5"$ w.c. (± 1250 Pa)
WDPM-010	Wireless DP Module $\pm 10"$ w.c. (± 2.5 kPa)
WDPM-020	Wireless DP Module $\pm 20"$ w.c. (± 5 kPa)
WDPM-030	Wireless DP Module $\pm 30"$ w.c. (± 7.5 kPa)
WDPM-100	Wireless DP Module $\pm 100"$ w.c. (± 25 kPa)
WDPM-200	Wireless DP Module $\pm 200"$ w.c. (± 50 kPa)
WDPM-350	Wireless DP Module $\pm 350"$ w.c. (± 87 kPa)



Accessories

Model	Description
KF-CC-304	Dual USB power source with North American adapter (1.5 A).
UHH-C2	Heavy duty hard case with pre-cut foam inserts for additional sensors. (Dimensions: 24" x 18" x 9")
UHH-CBL	3.2 ft (1 m) USB cable.
UHH-ICHRG	Dual USB wall or auto charger with international adapters. (1.0 A)

Specifications:-		
UHH2 SPECIFICATIONS		
Display	:	4.3" QHD Gorilla glass, 960x540.
Wireless Distance	:	50' (15 m) or greater.
Response Time	:	1 s.
Temperature Limits	:	Operating: -4 to 140°F (-20 to 60°C); Storage: -40 to 176°F (-40 to 80°C).
Humidity Limits	:	5 to 95% RH.
Power Requirements	:	2000mAh lithium ion battery, installed functional, non-replaceable.
Memory	:	RAM 1G & ROM 4G.
Operating System	:	Android® 4.2.2.
CPU	:	MTK6589W Quad Core 1.2 GHz.
Enclosure Rating	:	IP68.
Weight	:	15.9 oz (450 g).
Agency Approvals	:	CE.
AP2 THERMO-ANEMOMETER PROBE SPECIFICATIONS		
Service	:	Dry, clean air.
Temperature Limits	:	Process: -20 to 200°F (-29 to 93°C); Ambient: -20 to 140°F (-29 to 60°C); Battery Charging: 32

		to 113°F (0 to 45°C).
Range	:	Air Velocity: 0 to 6000 FPM (0 to 30 m/s); Volumetric Air: 999,999 in selected flow units; Temperature: -40 to 212°F (-40 to 100°C).
Accuracy	:	Air Velocity: ±3% FS within temperature range of 40 to 90°F (4 to 32°C); Temperature: ±0.5°F (±0.28°C).
Response Time	:	1 s.
Probe Length	:	8" (203 mm) insertion.
Power Requirements	:	3.7 V YT562447 Lithium ion battery, installed functional, user replaceable.
Maximum Wireless Distance	:	50' (15 m).
Handle Enclosure	:	Thermoplastic elastomer over polycarbonate.
Supplied With	:	Wrist strap.
Weight	:	11.2 oz (331.22 g).
Agency Approvals	:	CE (not while charging), FCC compliant.

RP2 THERMO-HYGROMETER PROBE SPECIFICATIONS

Service	:	Clean air.
Temperature Limits	:	Process: -4 to 140°F (-20 to 60°C); Ambient: 5 to 125°F (-15 to 51°C); Battery Charging: 32 to 113°F (0 to 45°C).
Range	:	RH: 0 to 100% (non-condensing); Temperature: -22 to 140°F (-30 to 60°C).
Accuracy	:	RH: ±2% @ 25°C (10 to 90% RH); ±4% (0 to 10, 90 to 100% RH); Temperature: ±0.54°F @ 77°F (±0.3°C @ 25°C).
Response Time	:	1.5 s.
Probe Length	:	8" (203 mm) insertion.
Power Requirements	:	3.7 V YT562447 Lithium ion battery, installed functional, user replaceable.
Maximum Wireless Distance	:	50' (15 m).
Handle Enclosure	:	Thermoplastic elastomer over polycarbonate.
Supplied With	:	Wrist strap.
Weight	:	11.2 oz (331.22 g).

Agency Approvals	:	CE (not while charging), RoHS, FCC compliant.
VP2 VANE THERMO-ANEMOMETER PROBE SPECIFICATIONS		
Service	:	Clean air.
Temperature Limits	:	Process: -4 to 140°F (-20 to 60°C); Ambient: 5 to 125°F (-15 to 51°C).
Range	:	Air Velocity: 50 to 5000 fpm (0.25 to 25 m/s); Temperature: -22 to 140°F (-30 to 60°C); Relative Humidity: 0 to 100% RH; Air Volume: 999,999 in selected units.
Accuracy	:	Air Velocity: 0.25 to 10 m/s: ±1.5% of reading ±20 fpm (±0.1 m/s); 10 to 20 m/s: 1.5% of reading ±40 fpm (±0.2 m/s); 20 to 25 m/s: ±1.5% of reading ±60 fpm (±0.3 m/s); Temperature: ±0.54°F @ 77°F (±0.3°C @ 25°C); Relative Humidity: ±2% @ 77°F (25°C) (10 to 90% RH); ±4% (0 to 10% and 90 to 100%).
Response Time	:	Air Velocity: 1 s; Temperature: 1.5 s; Relative Humidity: 1.5 s; Air Volume: 1 s.
Probe Length	:	8" (203 mm) insertion.
Power Requirements	:	3.7 V YT562447 Lithium ion battery, installed functional, user replaceable.
Battery Charging Limits	:	32 to 113°F (0 to 45°C).
Maximum Wireless Distance	:	50' (15 m).
Vane Material	:	Anodized aluminum.
Handle Enclosure	:	Thermoplastic elastomer over polycarbonate.
Supplied With	:	Wrist strap.
Weight	:	13.6 oz (402.20 g).
Agency Approvals	:	CE (not while charging), RoHS, FCC compliant.
WDPM SPECIFICATIONS		
Service	:	Non-corrosive dry gases.
Wetted Materials	:	Consult factory.
Accuracy	:	±0.5% FS span @ 25°C (includes non linearity, hysteresis, and non repeatability).

Pressure Limits	:	See model chart on catalog page.
Engineering Units	:	Pressure: in w.c., ft w.c., in Hg, psi, OzSI, mm w.c., cm w.c., mBar, Pa, hPa, and kPa; Velocity: fpm, mph, kn, m/s, m/h, k/h, and fps; Flow: cfm, gpm, gph, gpd, m3/s, m3/h, lps, lpm, and lph.
Temperature Limits	:	Compensated: 32 to 140°F (0 to 60°C); Process/Ambient: 14 to 140°F (-10 to 60°C).
Thermal Effects	:	±0.01% FS/°F (±0.02% FS/°C).
Battery Charging Limits	:	32 to 113°F (0 to 45°C).
Power Requirements	:	3.7 V YT562447 lithium ion battery, installed functionally, user replaceable.
Wireless Distance	:	At least 50' (15 m).
Connections	:	Two barbed connections for use with 1/8" (3.18 mm) or 3/16" (4.76 mm) ID tubing.
Weight	:	2.5 oz (70.87 g).
Agency Approvals	:	CE with CE approved charger, RoHS, FCC.