

AIR QUALITY TEST INSTRUMENT KITS

AQTIA Combines the UHH2 Universal Handheld with Compatible Probes



The **SERIES AQTIA** Air Quality Test Instruments combine the versatile Model UHH2 handheld base with various compatible probes and modules. The versatile combination provides a line of instruments capable of streamlining a technician's everyday testing by combining all into one product and using Bluetooth SIG, Inc. wireless technology for ease of use.

FEATURES/BENEFITS

- Rugged IP68 housing withstands 1.5 meter drop test
- Wireless measurement of pressure, air velocity, air flow, temperature, and humidity

APPLICATIONS

- Building commissioning
- Building balancing
- Testing HVAC equipment performance

SPECIFICATIONS

Display: 4.3" QHD Gorilla glass, 960x540.
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: 2000 mAh 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.

Model	Parameters	Range	Engineering Units Available
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
AQTIA-RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K
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
AQTIA-WDPM-002	Pressure	±2 in w.c. (498.18 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-005	Pressure	±5 in w.c. (1245.4 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-010	Pressure	±10 in w.c. (2490.9 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-020	Pressure	±20 in w.c. (4981.8 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-030	Pressure	±30 in w.c. (7472.7 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-100	Pressure	±100 in w.c. (24909 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-200	Pressure	±200 in w.c. (49818 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-350	Pressure	±350 in w.c. (87181 Pa)	in w.c., ft w.c., in Hg, psi, oz/in ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa

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.

Model	Probes Provided	Parameters	Range	Engineering Units Available
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 ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
	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 ² ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
	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.