


**AE51**

**MA200**

**MA300**

**MA350**

<b>Measurement method</b>	Optical absorption at 1 Wavelength	Optical absorption at 5 Wavelengths		
<b>Measurement wavelengths</b>	880 nm	880 nm, 625 nm, 528 nm, 470 nm, 375 nm		
<b>DualSpot™ Loading Compensation</b>	-	√		
<b>Timebases</b>	1, 10, 30, 60, 300 seconds	1, 5, 10, 30, 60, 120, 300 seconds		
<b>Flow Rates</b>	Internal pump provides 50, 100, 150, or 200 ml/min			
<b>Pump Options</b>	Rotary Vane Pump	Diaphragm Pump or Rotary Vane Pump		Diaphragm Pump or Brushless Diaphragm Pump
<b>Flow Control</b>	Internal mass flowmeter with closed-loop control			
<b>Filter Material</b>	T60 Teflon-coated borosilicate glass fiber filter	Polytetrafluoroethylene (PTFE)		
<b>Filter Capacity</b>	Filter Strip (1 sampling location)	Filter Roll Cartridge (15 sampling locations)	Filter Roll Cartridge (85 sampling locations)	
<b>Sensors</b>	-	Accelerometer, Relative Humidity, Temperature, Altimeter / Barometer		
<b>Dimensions</b>	L: 117 mm (4.6 in) W: 66 mm (2.6 in) D: 38 mm (1.5 in)	L: 136.75 mm (5.38 in) W: 85 mm (3.35 in) D: 35.75 mm (1.41 in)	L: 165.20 mm (6.50 in) W: 125.20 mm (4.93 in) D: 39.70 mm (1.56 in)	L: 199.90 mm (7.87 in) W: 99.82 mm (3.93 in) D: 69.85 mm (2.75 in)
<b>Weight</b>	280 grams (9.92 ounces)	400 grams (14.1 ounces)	700 grams (24.7 ounces)	1100 grams (38.8 ounces)
<b>Memory</b>	4 MB internal flash memory	16 GB internal flash memory		
<b>On-board interface</b>	-	Low Power Screen, 3 Buttons		
<b>Location services</b>	-	GPS with Internal Antenna	GPS with Internal Antenna External Antenna Optional	GPS with Internal Antenna
<b>Date/Time format</b>	-	ISO 8601 with satellite synchronization		
<b>Wireless</b>	-	802.11 b/g/n Wi-Fi with AES hardware encryption Bluetooth Low Energy		
<b>Outdoor rated</b>	-	-	-	Sealed Enclosure
<b>Connections</b>	USB 2.0	USB 2.0, 3.3V Serial, DC input via barrel jack		Via sealed connector for 3.3V Serial and DC power input, USB 2.0 on inside panel
<b>Battery</b>	1950 mAh Built-in rechargeable lithium-ion battery	3200 mAh Built-in rechargeable lithium-ion battery	12800 mAh Built-in rechargeable lithium-ion battery	
<b>Recharging</b>	USB charging	Barrel jack for fast charging via AC adapter or USB charging		Sealed connector for fast charging or USB charging
<b>Availability</b>	Ships within 3-5 business days		Ships late October 2016	