

<b>FINAL INSPECTION RECORD</b>  <b>Aethalometer™ AE33</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">SERIAL NUMBER:</td> <td style="border: 1px solid black; padding: 2px;"><b>S/N: AE33-S07-00664</b></td> </tr> <tr> <td>ORDER NUMBER:</td> <td><i>PA418-0027</i></td> </tr> <tr> <td>CUSTOMER:</td> <td><i>AIR MONITORS U.K.</i></td> </tr> </table>	SERIAL NUMBER:	<b>S/N: AE33-S07-00664</b>	ORDER NUMBER:	<i>PA418-0027</i>	CUSTOMER:	<i>AIR MONITORS U.K.</i>	
SERIAL NUMBER:	<b>S/N: AE33-S07-00664</b>							
ORDER NUMBER:	<i>PA418-0027</i>							
CUSTOMER:	<i>AIR MONITORS U.K.</i>							

Installed components and accessories S/N			
COMPONENT	TYPE	S.N. / batch	REM.
Computer	PCM 3353	PCM-3353F-L0A1E	
RAM	512M SO-DDR400 200PIN 64x8	96SDI-512M400NN-IK	
Display	IDK	/	
CF card	8 GB	/	
Pump	KNF PM24814-86.1.2	/	
Power supply board	AE33 1 10	905	
Interconnection board	AE33 1 06	902	
Controller board	AE33 1 07	904	
Detector board	AE33 1 03	903	
LED driver board	AE33 1 05	902	
10ch LED source board	AE33 1 02	901	
Tape sensor boards	AE33 1 11	903	
Back panel board	AE33 1 08	904	
Front panel board	AE33 1 04	904	
LED board	AE33 1 12	903	
USB board	AE33 1 09	902	
PC board	AE33 1 01	903	
Inlet board	AE33 1 14	902	

Firmware/software versions				
COMPONENT	VERSION	CHECK	REM.	POA
Firmware	518	✓		 <small>969-224</small>
Boot loader	221	✓		
Software	1.4.2.3.	✓		
Windows CE 6.0 Core - licence	ZH5-00019	✓		



System parameters				
COMPONENT	VALUE		CHECK	REM.
Time base	60	s	✓	
Flow	5	lpm	✓	
Chamber in home position	/	/	✓	
Check value of "Zeta" parameter	0.01	/	✓	
C	1.39	/	✓	
Sigma (370 nm)	18.47	m²/g	preset	
Sigma (470 nm)	14.54	m²/g	preset	
Sigma (520 nm)	13.14	m²/g	preset	
Sigma (590 nm)	11.58	m²/g	preset	
Sigma (660 nm)	10.35	m²/g	preset	
Sigma (880 nm)	7.77	m²/g	preset	
Sigma (950 nm)	7.19	m²/g	preset	
ATN <sub>1</sub> /ATN <sub>2</sub>	10/30		preset	

Performance test				
PARAMETER	VALUE	MEASURED	CHECK	REM.
Stability (1 s)	DBCI < 450	<i>426</i>	✓	
Clean air (1 s)	DBCI < 550	<i>338</i>	✓	
Indoor air BC2	Sensitivity 1 ± 0.10	<i>1.001</i>	✓	
Indoor air BC6	Sensitivity 1 ± 0.08	<i>0.993</i>	✓	
Leakage	< 0.1	<i>1.8%</i>	✓	
Test data stored	/		✓	
Last check (check status)			✓	

System test				
PARAMETER	VALUE	MEASURED	CHECK	REM.
Tape advance length	34 ± 2 mm	<i>34</i>	✓	
Tape advance left (30 ft)	>250	✓	✓	
Fin (Tape, Fset=5 l)	4.9 ± 0.15 l/min	<i>4990</i>	✓	
Fin (Cal. pad, Fset=5 l)	5.0 ± 0.1 l/min	<i>5130</i>	✓	
F2 : F1(Fset=5 l)	0.32 ± 0.05	<i>0.306</i>	✓	
Filter batch #	M8060	✓	✓	



System electrical grounding conformity test				
Resistance between the inlet grounding pin and	VALUE	MEASURED	CONFORMITY	REM.
Top panel	< 0,1 Ohm	0,09	✓	Extech METRAHIT BASE TRMS Digital multimeter
Rear panel		0,07		
Chassis		0,04		
Front panel		0,05		

Chamber alignment test	
Spot shape	Spot footprint
	

TESTS PERFORMED BY: 

DATE: 10.1.2018

Accessories specification				
DESCRIPTION	TEST	REQ.	PACKED	DETAILS
3/8" OD Sample Inlet Tubing, static dissipative	/	3m - 10m	✓	
Fittings set	/	1	✓	
Flow calibration pad	/	1	✓	
Final Inspection record	/	1	✓	
Power supply cable (220/110 V)	/	1	✓	
Insect and water trap assembly	/	1	✓	
USB thumb drive with manual	/	1	✓	
Packing sticker	/	1	✓	
Null Modem Serial cable	/	1	✓	
M8072; Cartridge filter	/			
M8060 ; Sample filter tape - 10m roll (350 spots)	/			Batch:
UTP cable	/			
AE33-MET2; Ambient weather station				SN:
M4110; PM2.5 Cyclone Inlet SCC-1.829				
M4114; PM1-5LPM Cyclone Inl SCC-1.197				
M4121; Mini PM Inlet Complete for TSP				
M7900; TSI Flow Meter 4140: 0.05-20 LPM,				
M7662 Neutral Density Optical				SN:
AE33-FW CF; CF card with AE33 firmware				
M9610; Transit Case for Rack-Mount - Pelican 1630	/			
GMP343; CO2 sensor Vaisala GMP343				SN:
GMP343CABLE; 10m Probe-cable for GMP343				
AE33 GPS module				SN:

PACKED BY: 

DATE: 29.1.2018

Remarks:

PERMISSION FOR DELIVERY BY:

Špela Kern (Production Planner)

SIGNATURE: 

DATE: 29.1.2018

Primož Vidmar (Head of production)

SIGNATURE: 

DATE: 30.1.2018

AE33 Final inspection record\_V.24, 20.10.2017