



AEROSOL  
MAGEE SCIENTIFIC

## EXTERNAL PUMP FOR HIGH ALTITUDE [HA] BC MONITORING



### External HA Pump

AETHALOMETER®  
ACCESSORY

External pump  
for High Altitude  
BC Monitoring

#### KEY FEATURES

- Pump Air inlet is connected to the Aethalometer® outlet fitting
- Use of its own AC power supply or 12V with DC power adapter.
- Connected to Aethalometer® via communication cable.
- It has an integrated needle valve to adjust flow range set.
- Automatic detection of the Aethalometer connection.
- Status LEDs indicators for the pump connections and operation

#### APPLICATIONS

- BC monitoring at altitudes up to 5000 m a.s.l.



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## PRODUCT SPECIFICATIONS

### PRINCIPLE OF OPERATION

Air pump inside the Magee Scientific Aethalometer® can supply constant sample flow rate of 5 LMP up to approx. 3000 m a.s.l., when the sample flow rate (reported at standard conditions) will slowly decrease. In order to extend the operating range of the Magee Scientific Aethalometer® up to 5000 m a.s.l. your Aethalometer can now be connected to an external HA air pump.

### PERFORMANCE

Power supply: 220/110 V AC or 12 V DC with provided power adapter  
Altitude range: 3000 – 5000 m a.s.l.

### PHYSICAL SPECIFICATIONS

Dimensions: 269 × 135 × 178 mm  
Weight: 4.9 kg

### IMPORTANT:

Standard AE33 needs to be mechanically, electronically and SW upgraded to AE33-HA option in order to control AETH-HA-PUMP.

### TO ORDER

External HA air pump with housing and connectors (PN AETH-HA-PUMP) and Electronics, upgrade and calibration (PN AETH-HA-KIT).

## AETHALOMETER® EXTERNAL HA PUMP

**AEROSOLMAGEESCI.COM**

Aerosol d.o.o.  
Kamniška 39 A  
SI-1000 Ljubljana  
Slovenia  
+386 1 439 1700

Keeping an Eye on the Air

United States Patent 8,411,272,  
United States Patent 9,018,583,  
other patents pending.

Manufactured in EU by Aerosol d.o.o.

AE HA PUMP specification version 1.0 / 05 2020

Specifications are subject  
to change without notice.