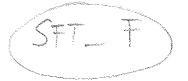
## Calibration Chart for 41AM Outdoor Microphone Serial No. 355328



## G.R.A.S.

Sound & Vibration

**System Sensitivity:** 

50.01 mV/Pa

-26.02 dB re. 1V/Pa

Actuator output:

31.71 mV

Preamplifier type:

26AX

Preamplifier serial no:

344787

Microphone type:

41AS

Microphone Serial No:

168451

Operator:

FBL

Date:

3. dec 2018

## **Environmental Calibration Conditions:**

Temperature:

 $23 \pm 3 \,\mathrm{C}^{\circ}$ 

Relative humidity:

 $60 \pm 20 \%$ 

Barometric pressure:

 $101.3 \pm 3 \text{ kPa}$ 

The stated sensitivity is the sensitivity for the complete microphone unit including preamplifier for 0 dB Gain setting and without A-weighting filter, with an uncertainty of  $\pm$  0.1 dB. The calibration is performed with a 42AA Pistonphone and is traceable to National Physical Laboratory, UK. The stated actuator calibration output is for 1kHz and with an uncertainty of  $\pm$  0.4 dB.

The frequency response is recorded with electrostatic actuator. The grey curve is the pressure response and the black curve is the free field response for 0 deg. incidence with the raincap and windscreen mounted on the microphone.

## Frequency response re. 250 Hz

