GRAS 48LA

UTP

Freq range: 20 Hz to 20 kHz (±1 dB)
          16 Hz to 31.5 kHz (±3 dB)
Dyn range: 64 dB(A) to 184 dB
Sensitivity: 0.12 mV/Pa (±2 dB)
Use: For aeroacoustic measurements

48LA	UTP	1/4"CCP	1
...			

GRAS

口口

48LA　　　　(UTP)

¼

1　　　　　　Microdot　　3

口口口口口

48LA

-
-
-

口口

48LA　RA4810　48LA/48LX-1

7.5°

口口口口

RA4800　　/

RA4800　　　　　　　____.

口口

RA4801　48LA/48LX-1　　　½

48LA/48LX　RA4802　RA4801 RA4802

RA4805

48LA

口口口口口

GRAS

48LA

口口

GRAS Sound & Vibration

|		
Frequency range (±1 dB)	Hz	20 to 20 k
Frequency range (±3 dB)	Hz	16 to 31.5 k
Dynamic range lower limit (microphone thermal noise)	dB(A)	64
Dynamic range upper limit	dB	184
Sensitivity @ 250 Hz (±2 dB)	dB re 1V/Pa	-78.4
Sensitivity @ 250 Hz (±2 dB)	mV/Pa	0.12
Output impedance	Ω	<50
Power supply min. to max.	mA	2 to 10
Microphone venting		Front
Temperature range, operation	°C / °F	-55 to 85 / -67 to 185
Temperature range, storage	°C / °F	-40 to 85 / -40 to 185
Temperature coefficient @250 Hz	dB/°C / dB/°F	-0.03, Typical
Static pressure coefficient @250 Hz	dB/kPa	-0.0003
Humidity range non condensing	% RH	0 to 80
Humidity coefficient @250 Hz	dB/% RH	-0.01
Influence of axial vibration @1 m/s²	dB re 20 µPa	73
Connector type		Microdot 10/32
Weight	g / oz	1 / 0.035 (excl. cable) 4 / 0.14 (incl. cable)

Typical frequency response

±3 dB   31.5 kHz

Specifications

Typical noise floor

Legend: dB(A) ■ dB ref 20.0u
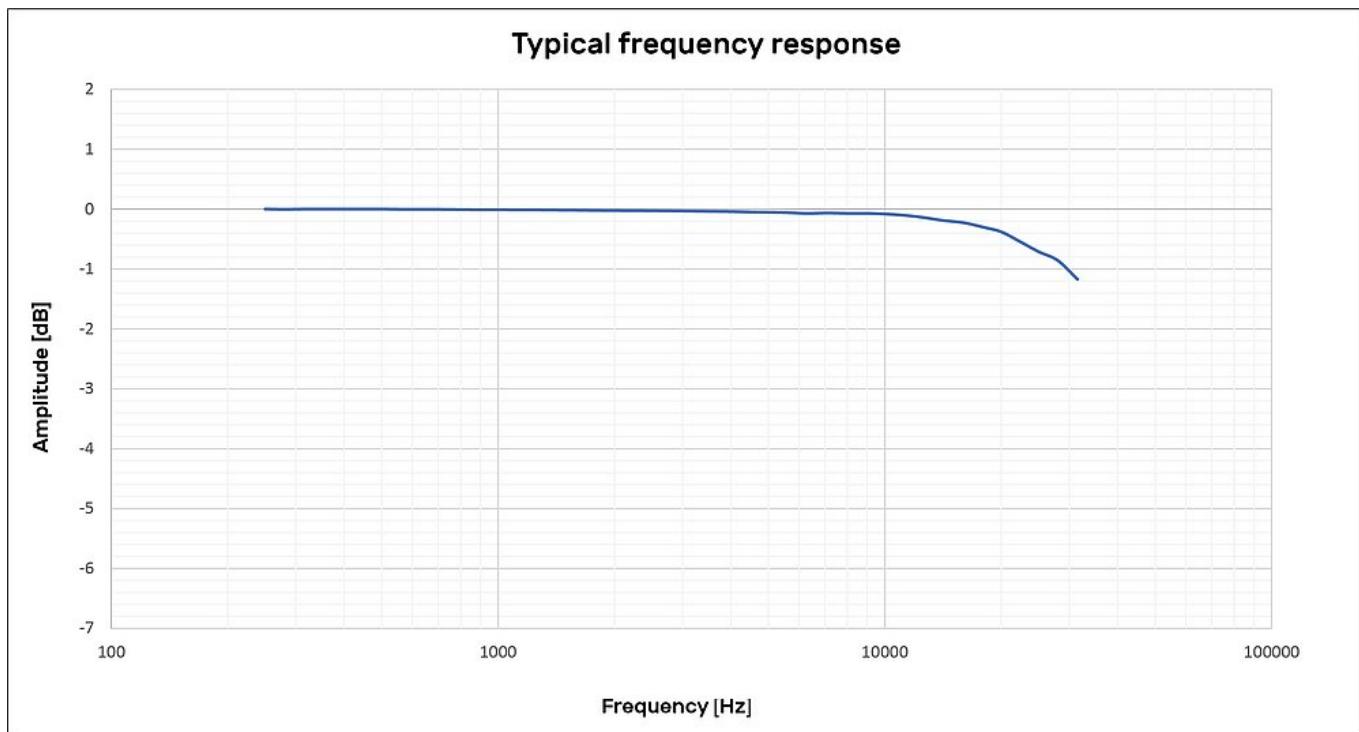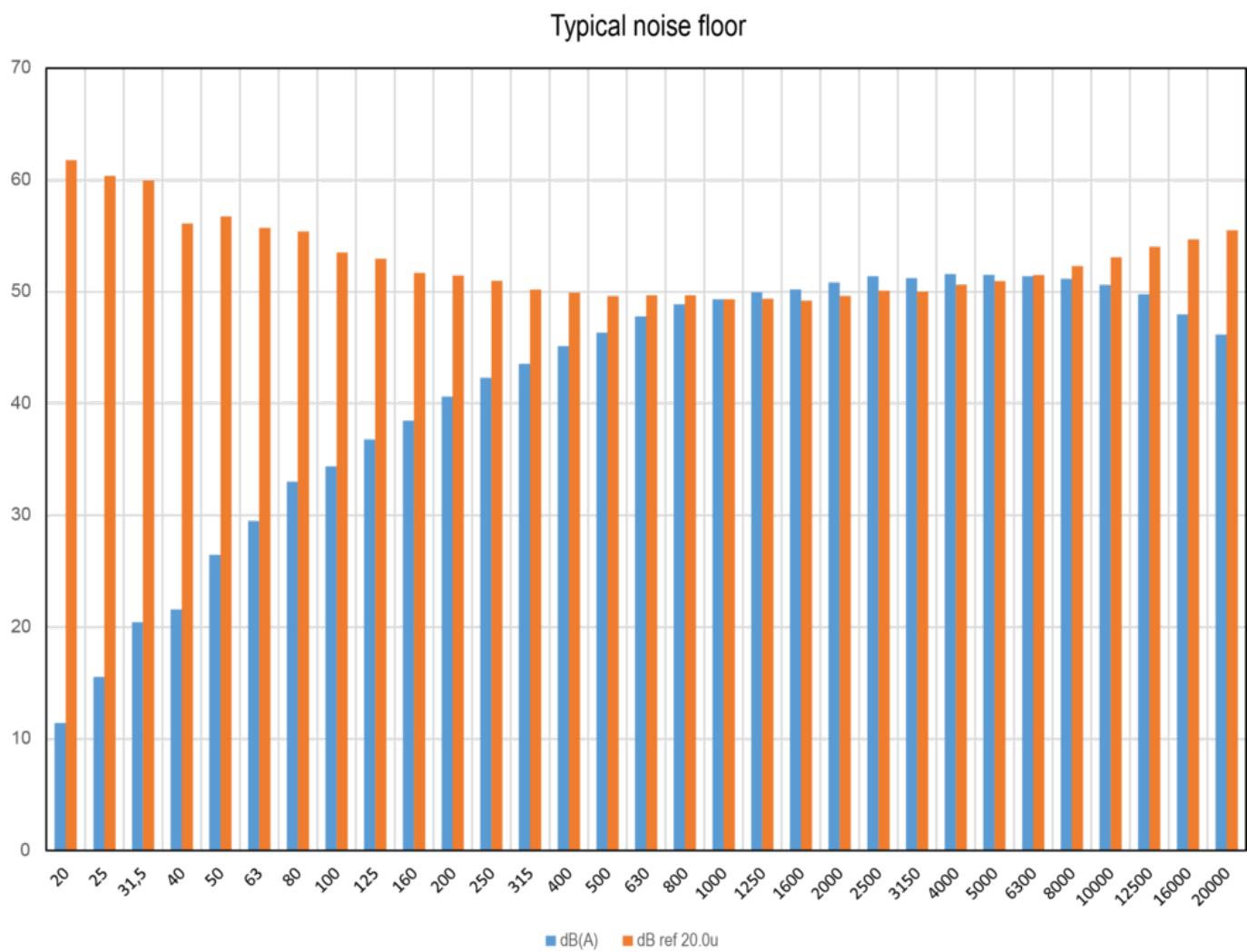
GRAS

All dimensions in mm

48LA/LX-1

1.00

18.00

9.00

Fairing

7.5°

1.0

2.5

Ø 29.0
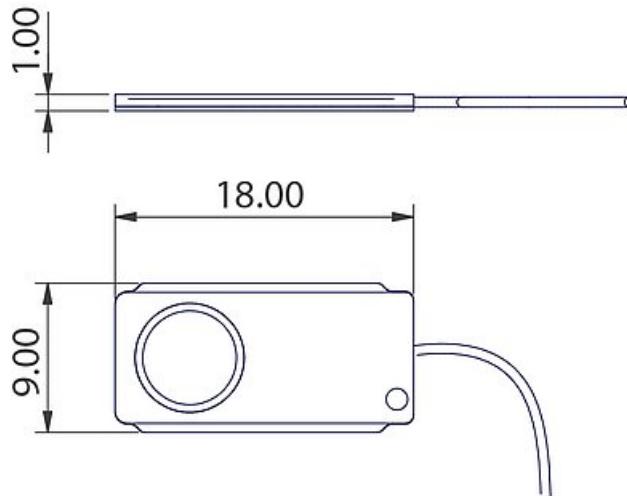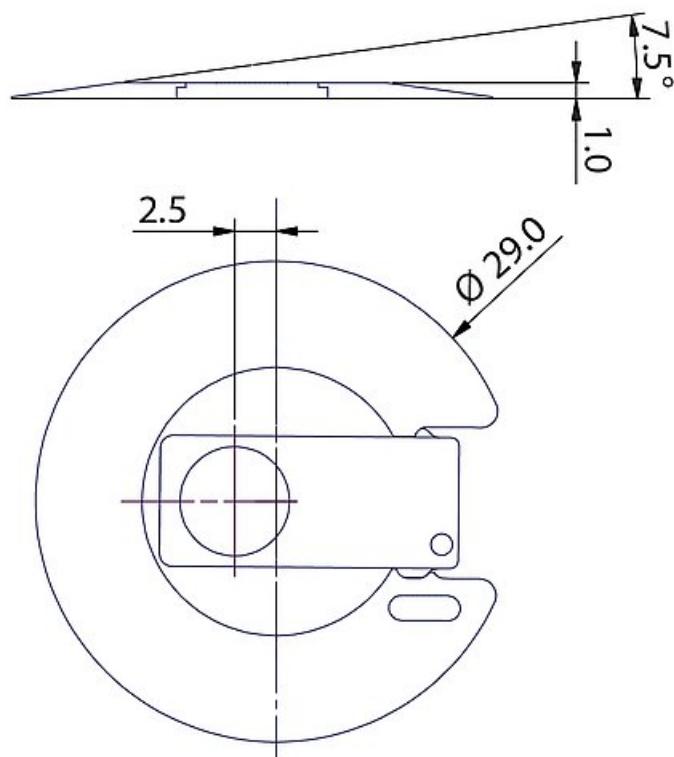
Included items

GRAS 48LA	UTP Microphone, High Pressure, with 3-meter cable
GRAS RA4810	Hard Fairing for 48LA/48LX-1, with click mount, double-sided self-adhesive mounting pad included x1
GRAS AE0046	Microdot Female - BNC Male Adapter

Optional items

GRAS RA4800	Adapter for Sensitivity Verification of Flush/Surface Microphones
GRAS RA4801	Adapter for Sensitivity Calibration of 48LA/48LX-1
GRAS RA4802	Actuator for Frequency Calibration of 48LA/48LX-1
GRAS RA4805	Actuator & Pistonphone Adapter Kit for 48LA/48LX-1. This kit includes RA4801 and RA4802.
GRAS RA4810-2	Hard Fairing for 48LA/48LX-1, with click mount, 10-pack, mounting pads are included
GRAS RA4810-10	Hard Fairing for 48LA/48LX-1, with click mount, 50-pack, mounting pads are included
GRAS RA4811	Soft Fairing Mounting Kit for UTP Microphone Sets
GRAS RA4811-2	Soft Fairing Mounting Kit for UTP Microphone Sets, 10 pcs
GRAS DB0521	Overlay Mounting Tape

GRAS Worldwide

Subsidiaries and distributors in more than 40 countries

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About GRAS Sound & Vibration

GRAS is a worldwide leader in the sound and vibration industry. We develop and manufacture state-of-the-art measurement microphones and related equipment for industries where acoustic measuring accuracy and repeatability are of the utmost importance. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, consumer electronics and other highly demanding industries. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect, trust and require.

GRAS Sound & Vibration is represented through subsidiaries and distributors in more than 40 countries and is part of Axiometrix Solutions, a leading test solutions provider comprised of globally recognized measurement brands. Read more at www.grasacoustics.com

grasacoustics.com

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