

# GRAS 12BC 12BF 12BD LEMO TEDS 12BC, 12BF AND 12BD



Connection: LEMO  
Traditional 200 V  
Channel(s): 1, 2 or 4  
TEDS via USB

GRAS 12BC 12BF 12BD  
AC

LEMO TEDS USB

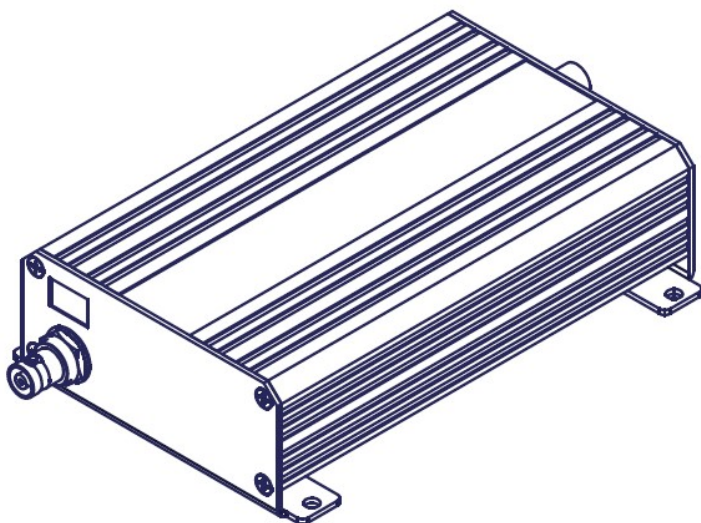
GRAS 12BC 12BF 12BD      USB    LEMO  
TEDS

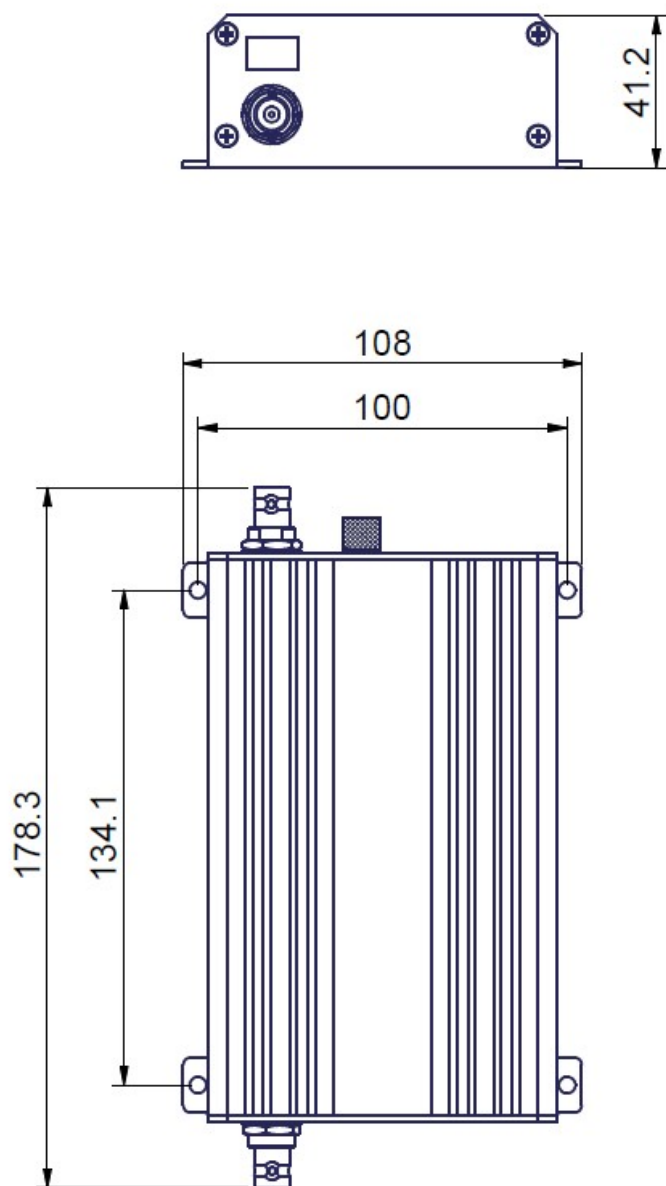
TEDS [Audio Precision APx](#)

PC TEDS

12BC	12BF	12BD	USB	1.5 A
USB-C	1.5 A		USB-C	USB 2.0 USB
3.0	AUXPWR	AC		

Frequency response ( $\pm 0.06$ dB) (with 100 k load)	Hz	10 to 20
Frequency response ( $\pm 0.03$ dB) (with 100 k load)	Hz	20 - 200k
Inherent noise, input shorted, 10 Hz - 20kHz	$\mu\text{Vrms}$	2
Overload indication		No
Temperature operation	$^{\circ}\text{C}$ / $^{\circ}\text{F}$	-40 to +75 / -40 to 167
Humidity (non-condensing)	%	max. 90
Dimension including mounting ears (WxHxD)	mm / "	108 x 44.2 x 178.3 / 4.35 x 1.74 x 7.02
Channels, 12BC		1
Channels, 12BF		2
Channels, 12BD		4
Polarization voltage	V	200
Preamplifier Supply Voltage	Vdc	+/-15
Max input Voltage	Vp	14
USB		C
USB Power + 5 Vdc	A	1.5
External Power Supply +5 Vdc	A	1.5
External Power Connector		DC (5.5mm x 2.1 mm barrel)
Weight 12BC, 1 Ch	g / oz	390 / 13.8
Weight 12BF, 2 Ch	g / oz	425 / 15.0
Weight 12BD, 4 Ch	g / oz	494 / 17.4





GRAS 12BC	1-Channel LEMO Power Module with USB Connection
GRAS 12BF	2-Channel LEMO Power Module with USB Connection
GRAS 12BD	4-Channel LEMO Power Module with USB Connection



-	USB
-	AC



7 LEMO

<a href="#">GRAS AA0008</a>	LEMO 7-pin-LEMO 7-pin cable, 3 m
<a href="#">GRAS AA0009</a>	LEMO 7-pin-LEMO 7-pin cable, 10 m
GRAS AA0012	LEMO 7-pin-LEMO 7-pin cable, 30 m
GRAS AA0014	LEMO 7-pin-LEMO 7-pin cable, 100 m
GRAS AA0020-XX	Custom, XX specifies the length in metres

BNC

GRAS AA0033	BNC-BNC cable, 1 meter
GRAS AA0034	BNC-BNC cable, 2 meters
GRAS AA0035	BNC-BNC cable, 3 meters

# 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](http://www.grasacoustics.com)

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