Murina 1300p
Plastic probe version for MRI

Product overview

Phonoptics' Murina 1300 microphone is designed to be used in MRI environment thanks to a metal-free design. Data collected are transmitted through a unique fiber (up to 10km with -6dB of dynamic range, or up to 20km with -12dB of dynamic range) and then analyzed.
The signal along the fiber is fully disturbion-free since it is EMI/RFI immune.

Supplied with

1x Acoustic sensor (1m long)

1x conditioner MRI specific

1x Power supply 5V

Features

A unique fiber for a cost effective and easy-to-use product, especially with feedthrough application

E2000 push-pull connector for laser safety and dust-proof

Probe weighs only 2 grammes !

Accessories

Up to 10km additional fiber with E2000 APC connectors

Specific cables : armored, metalic, non-metalic, 2mm, 2.8mm, etc.

Additional battery for 24h operation

Conditioner

Sensibility	100mV/Pa (mesured at 1 kHz 94dB, gain settled at center detent)
Max Output Voltage	+2.5V -2.5V
Output	Jack 3.5mm
Operating Temperature	-10 °C to +40 °C
Storage Temperature	-20 °C to +45 °C
Power Supply	plug-in power supply unit 100-240V AC to 5V DC
Power Consumption	150mA ; 0.8 Watt

Fiber Optic Microphone

Material	Ultem® (other on demand)
Bandwidth	15Hz à 15kHz (±3dB)
Signal-to-noise Ratio	70dB (measured at 1kHz, 94dB, gain settled at center detent)
Max pressure	130dB SPL
Operating Temperature	-15 °C to +80 °C
Storage Temperature	-15 °C to +80 °C

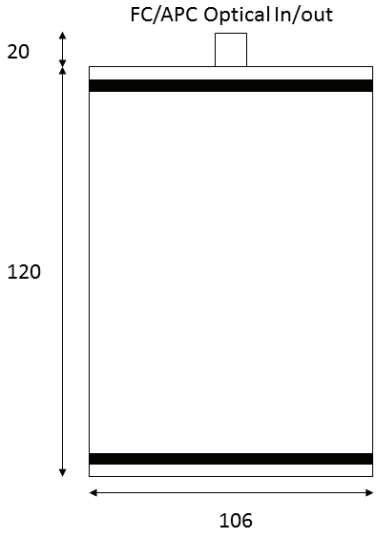
Fiber Optic

Dimensions	Bare fiber (Φ 250 µm buffer), loose tube 900 µm or fiber optic cable (Φ 2mm, 3 mm, ...)
Connector	FC/APC
Type	GI50/125 (other on demand)
Min radius of curvature	5 mm instant, 40 mm long term storage

Detailed Specifications

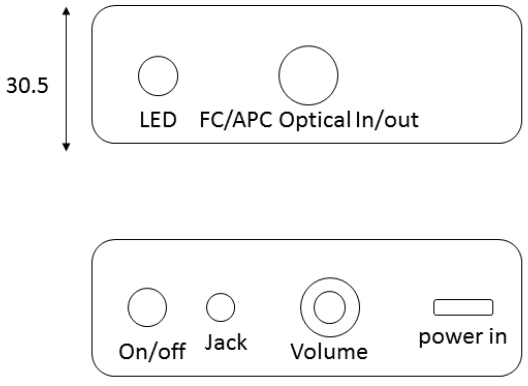
Mechanical Drawing

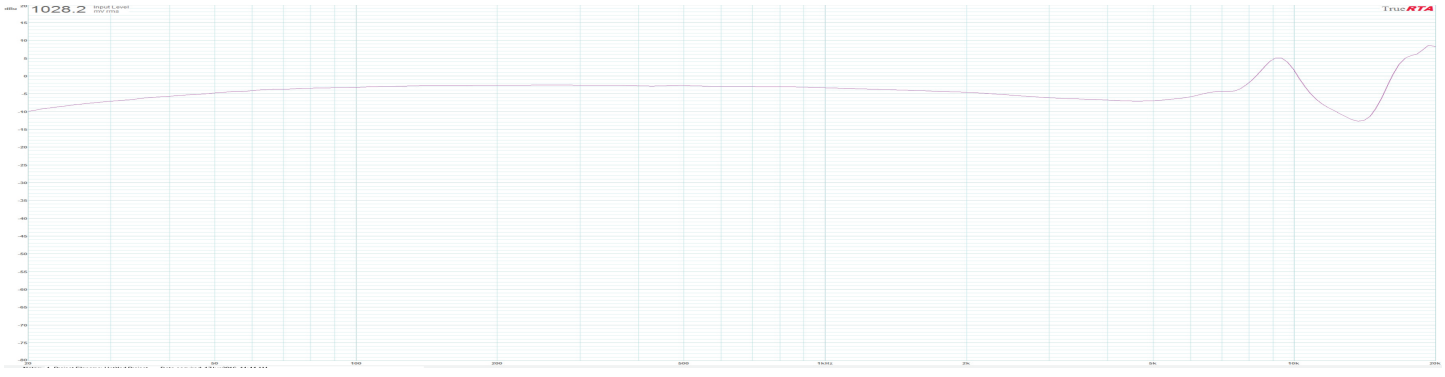
Dimensions are in mm



Fiber Optic Microphone

Dimensions are in mm





Rev 4 Specifications are subject to change without notice - January 2016 - Allright reserved.