

MFSC-4 4 channel signal conditioner

The MFSC-4 is a 4 channel signal conditioner and has three main functions, powering, pre-amplification and the option to correct the amplitude and phase of the signals electronically. There are four BNC outputs on the signal conditioner, one for sound pressure (P) and three for particle velocity (U). This makes the output compatible for most standard data acquisitions systems. If there is no calibration correction possible in the used software, a correction option can be used on the signal conditioner. The correction can be switched on to measure in a calibrated mode using a hardware correction.



Typical applications

- ✓ Comes with all types of USP probes

Specification - MFSC-4

Input:

Connector: 7 pins lemo connector

Maximum input voltage:

- Pressure (P) High/Low gain : 100mV
- Velocity (U) High gain : 9mV
- Velocity (U) Low gain : 900mV

Output:

Connector : regular BNC

Impedance: 56Ω

Maximum output voltage:

- Pressure (P): 300mV
- Velocity (U) : 900mV

Power:

Input voltage: 15-18V

Consumption (PU probe connected):

- max : 1W (56.7mA at 18V)
- idle : 0.8W (44mA at 18V)

Fuse: 250mA

Dimensions:

Height: 110mm

Width : 30mm

Depth : 160mm

Weight: 437g