

- Compact Single Channel IEPE amplifier
- Connection via screw terminals
- *Optional adaptor cable available*
- Dimensions – 27x83x114mm (exc. Connectors)
- Weight – 180gms
- DIN Mount fits 35mm and 15mm DIN rails
- Power on indication
- 9 – 30 V DC power input
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The DR1000 is a unique DIN rail mount IEPE signal conditioning amplifier developed and built by Kemo Ltd. Can also be used as a voltage amplifier.

Ideally suited to industrial application using IEPE powered devices such as vibration sensors, pressure sensors or thermal measurement devices.

Connection is via screw terminals and mating cables can be supplied. DC input power in the range of 9-30VDC is required making it ideal for many site applications.

IEPE supply is user selectable via board jumpers, as is output gain.



Specification

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Power Input	9 – 30 Volts DC, 2.5 Watt. Polarity protected, isolated from signal path.
Connections	Screw Terminals
Indicators	External LED indicator shows correct power to unit
Operating Temp.	10 to 45 °C, non-condensing.
Input Coupling	DC / AC (with dual line AC coupling for differential input)
Input Mode	Single ended/Differential
IEPE power	24VDC, 4 to 10mA selectable via resistor
Input Impedance	1 MΩ
Input Gain	x1,x2,x5,x10,x20,x50,x100,x200,x500,x1000. Set by on board jumpers.
Bandwidth	0 dB gain, > 500 kHz
Signal Level	+/- 10 Volt pk-pk
Noise and THD	< 0.003% typical (depending on filter type, signal amplitude and frequency)
Output Impedance	47Ω
Outputs	2 Buffered voltage outputs

Due to continued product development Kemo Limited reserve the right to change specification without notice.