

- Compact Single Channel DIN Rail mount
- Charge amplifier input via 10/32UNF microdot
- IEPE signal Conditioning
- Dimensions – 27x83x114mm (exc. Connectors)
- Weight – 180gms
- Fits standard 35mm and 15mm DIN rails
- Power on indication
- 9 – 30 V DC power input



The DR1000-C is a unique DIN rail mount low noise charge amplifier developed and built by Kemo Ltd for use with a range of piezoelectric sensors.

Ideally suited to industrial application using charge output devices such as high temperature industrial accelerometers. The unit also offers IEPE signal conditioning for any type of integrated electronics piezoelectric sensor.

Connection is via a 10/32UNF microdot socket connector and mating cables can be supplied. DC input power in the range of 9-30VDC is required making it ideal for many site applications.

Specification	
Power Input	9 – 30 Volts DC, 2.5 Watt. Polarity protected, isolated from signal path.
Connections	10/32UNF microdot socket connector for Charge input
Indicators	External LED indicator shows correct power to unit
Operating Temp.	10 to 45 °C, non-condensing.
Voltage Input Coupling	DC / AC (with dual line AC coupling for differential input)
Charge Input Mode	Single ended
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.