

- 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.

Kemo Limited

First Floor, 33 King Street, Thetford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

www.kemo.com sales@kemo.com

Iss 2 – Jan 2024