

STRAIN GAUGES

Hire rate
Per week
Per month

Competitive rates
available for long term
hire

MEASUREMENTS GROUP
Signal Conditioner/Amplifier 2100

Code
311 D

£165 pw
£495 pm

- Multi-channel utility signal conditioning amplifier
- Basic unit: static and dynamic stress monitoring
- 2 channels, 1 channel rack, with power supply and analogue output to any FFT or DAT recorder

Converts low-level signals from strain gauges and other sensors to high-level outputs for recording and computer analysis

Accepts 1/4, 1/2, and full bridges, with 120-ohm, 350-ohm, and 1000-ohm bridge-completion resistors built in



OPTIONS

ADDITIONAL DUAL CHANNEL MODULE EACH PAIR 2120A

Code
312 B

£55 pw
£165 pm

DIGITAL DISPLAY WITH PEAK HOLD MODULE 2131

Code
313 B

£55 pw
£165 pm

AVONGARD
Digital Calipers

Code
314 A

£31 pw
£92 pm

Resolution: 0.01mm
Instant Inch/mm readout

Relative or Absolute Zero button



STRAIN GAUGES
Static or Dynamic Measurements

Code
315

£ p.o.a

A range of strain gauges and fixing products are available for purchase. The specification range of the strain gauge and price depends upon application and quantity. Please contact us for a quotation.



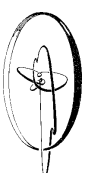
BRÜEL & KJÆR 8200
Force Transducer

Code
316 B

£43 pw
£129 pm

Force range 1 kN tensile to 5 kN compressive
Supplied with Beryllium impact nuts

Use with impact hammer (p.2), and 2635 charge amp, or 2525 measuring amp



SHAKERS

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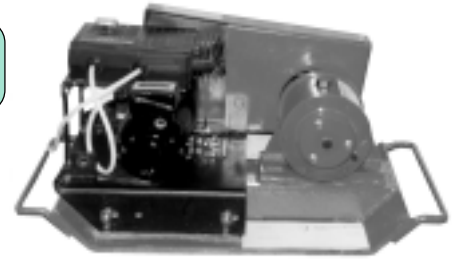
CED - Plate Vibrator

Code
317 E

£259 pw
£776 pm

For inducing floor vibration at variable frequencies from 5 Hz to 22.5 Hz
Delivers variable force (1 kN @ 22.5 Hz)

Variable speed electric motor drives eccentric masses (producing vertical and horizontal forces)
Weight: 75 kg



BRÜEL & KJÆR 2712 Power Amplifier

Code
318 D

£175 pw
£525 pm

Continuously adjustable current limit from 2A to 15A
Output voltage capacity: 12 VDC rms to 15 kHz
Power output capacity: 180 VA

Selectable high and low output impedance
Optimised for driving Vibration Exciters Type 4808 and 4805



THURLBY THANDAR TG230 Sweep Function Generator

Code
319 B

£83 pw
£248 pm

0.002 Hz to 2 MHz frequency range in 7 overlapping decades
Variable 20 V peak-to-peak output
Variable ± 10 VDC offset
Sine, triangular and square sweep waveforms

Internal / external amplitude modulation up to 100%
Sweep linearity better than 1%
Precision lin/log sweep generator
Sweep generator output for connection to oscilloscope or X-Y recorder



BRÜEL & KJÆR 4808 Vibration Exciter

Code
320 E

£226 pw
£677 pm

Force rating: 112N, sine peak
Maximum bare table acceleration 700m/s^2
First axial resonance 10kHz
Frequency range: 5 Hz to 10 kHz

Use for vibration testing, mechanical impedance measurements, structural response testing
Weight: 35 kg



HONDA EU10i Petrol Generator

Code
321 B

£42 pw
£125 pm

Low noise and vibration portable power supply for field measurements
52 dB(A) @ 7m (1/4 load)
Max. Current: 1000 VA

220V A.C and 12 V D.C. outlets
Weight: 13.5 kg

