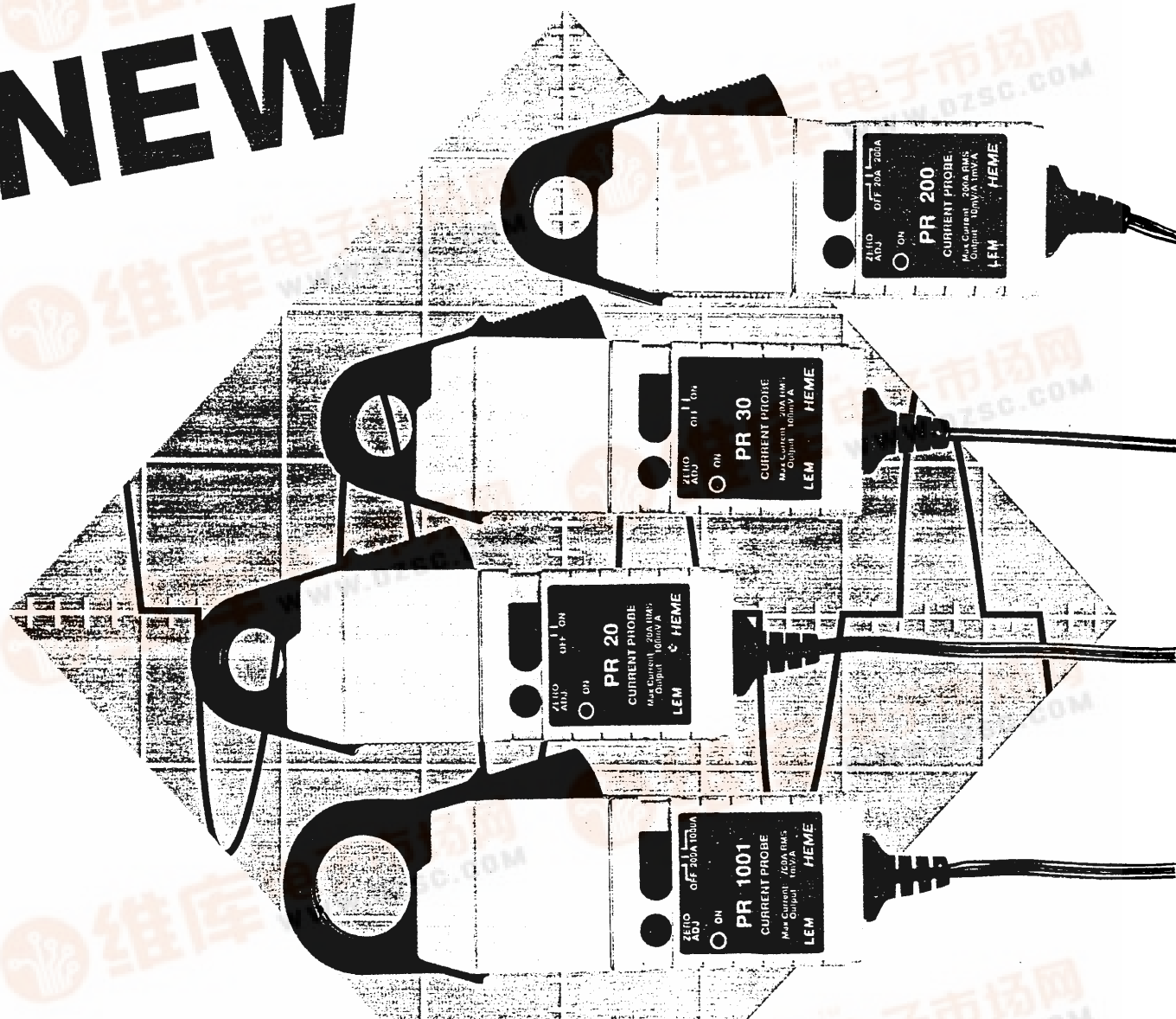


查询PR200N/CE供应商

561-745
捷多邦, 专业PCB打样工厂, 24小时加急出货

LEM

NEW



AC/DC CURRENT PROBES

High Accuracy

Wide Bandwidth

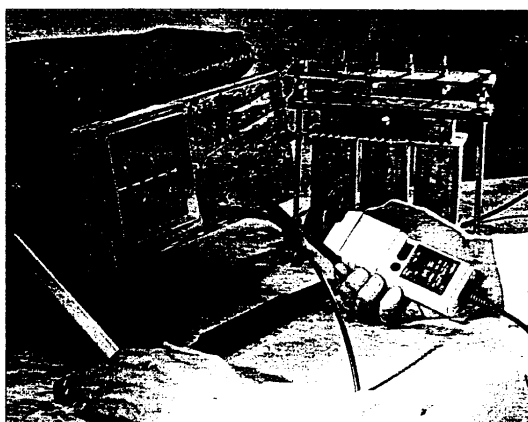
Non-intrusive

Setting new standards in current measurement . . .

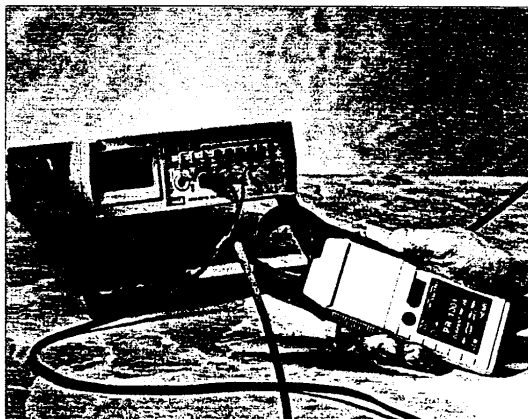
- **PR20** **20A AC/DC HIGH RESOLUTION MULTIMETER PROBE**
- **PR30** **20A AC/DC HIGH RESOLUTION OSCILLOSCOPE PROBE**
- **PR200** **20A/200A AC/DC CLIP-ON MULTIMETER PROBE**
- **PR1001** **200A/1000A AC/DC CLIP-ON MULTIMETER PROBE**

A range of high performance AC/DC current probes from LEM HEME for use with oscilloscopes, multimeters and recording equipment. The compact clip-on design conforms to the IEC 1010 safety standard and allows non-intrusive measurement of current from 5mA to 1000A peak to an accuracy of $\pm 1\%$. Utilising Hall Effect technology to provide a broad frequency response, the probe range will accurately measure AC, DC and complex waveforms. All probes give a voltage output directly proportional to the measured current which is compatible with a wide range of measuring instruments.

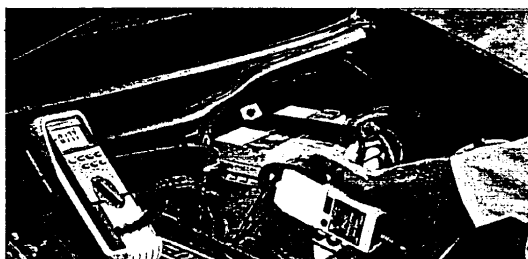
*The PR30 oscilloscope
probe with a bandwidth
of DC-100kHz (-0.5dB)
and resolution of 1mA*



*Compatible with bench
top and hand-held
multimeters*



*Automotive
applications including*



APPLICATIONS

- Current waveform analysis
- Electrochemical processes
- Thyristor power sources
- Electric vehicles
- Inverter drives
- Switch mode power supplies
- Industrial controllers

The probes are powerful tools for multimeter and oscilloscope users, providing new solutions to current measurement. With the clip-on design, measurement is fast and convenient since there is no need to break into the circuit.

PRODUCT FEATURES INCLUDE

- Currents from 5mA to 1000A Peak
- Frequency ranges up to 100kHz
- 1% accuracy
- Instantaneous voltage outputs of 1mV/A, 10mV/A and 100mV/A
- Compact and self-contained



SPECIFICATIONS

	PR30	PR20	PR200		PR1001	
Parameter	Oscilloscope Probe	Multimeter/Recorder Probes				
CURRENT RANGES	AC 20A RMS DC 30A	AC 20A RMS DC 30A	AC 20A RMS DC 30A	AC 200A RMS DC 300A	AC 200A RMS DC 300A	AC 1000A Pk DC 1000A
RESOLUTION	± 1mA	±1mA	±10mA	±100mA	±100mA	±100mA
OUTPUT SENSITIVITY	100mV/A	100mV/A	10mV/A	1mV/A	1mV/A	1mV/A
ACCURACY (of rdg)	±1% ±2mA	±1% ±2mA	±1% ±0.03A	±1% ±0.3A	±1% ±0.5A	±1% ±0.5A
FREQUENCY RANGE	DC to 100kHz	DC to 20kHz	DC to 10kHz		DC to 10kHz	
GAIN VARIATION	±0.01% rdg/°C	±0.01% rdg/°C	±0.1% rdg/°C		±0.1% rdg/°C	
RESPONSE TIME	< 1 μsec	< 1 μsec	< 10 μsec		< 10 μsec	
di / dt FOLLOWING	> 20 A/μsec	> 20 A/μsec	> 20 A/μsec		> 20 A/μsec	
DIELECTRIC STRENGTH	3.7kV rms 50Hz 1 min					
OUTPUT CONNECTIONS	BNC plug	4mm safety plugs				
CABLE LENGTH	2 m	1.5 m				
LOAD IMPEDANCE	> 100kΩ	> 10kΩ				
OPERATING TEMPERATURE	0°C to +50°C					

GENERAL DATA

Dimensions

L x W x D

PR20, 30, 200

183 x 71 x 31mm

PR1001

196 x 71 x 31mm

Weight

250-300g

Max. Conductor Size

PR20, 30, 200

19mm diameter

PR1001

31mm diameter

Power Supply

9V Alkaline PP3

Battery Life

PR20, 30

approx. 30 hours

PR200, 1001

approx. 50 hours

PR500 and PR1000 Current Probes

For current measurement on large conductors

The PR500 and PR1000 have been developed for use with digital multimeters and oscilloscopes for the measurement and analysis of current in large conductors. Using advanced Hall Effect technology the probes will accurately measure DC and AC current up to 3kHz. The current ranges of the units are 1000 Amps DC or AC peak for PR1000 and 500 Amps DC or AC peak for the PR500.

Features include:

- AC and DC capability
- Conductor size up to: 48mm circular
22mm x 60mm rectangular section
- 1% Accuracy $\pm 1A$
- Overload Capacity: 1000%
- Frequency Range: DC to 3kHz
- Battery Life: 50 hours continuous operation
- Output: 1mV/Amp
- Weight: 620 grammes
- Operating Temp: 0°C to +50°C.
- Cable Length: 2 Metres
- Dimensions: 260mm x 90mm x 70mm



Other Products

LEM HEME produce a comprehensive family of products for the non-intrusive measurement of electrical parameters. This includes clip-on ammeters, power meters, probes and transducers.

The standard range of clip-on ammeters from LEM HEME offer measuring capabilities up to 2000 Amps with an accuracy of 1% and feature DC, AC and true RMS current measurement for complex waveforms.

The Analyst range takes portable power measurement instrumentation into new territory. The microprocessor-controlled instruments incorporate multimeter and oscilloscope functions in their impressive array of measurement options. Accessories include an interface and software for data logging of measured parameters to a personal computer and a three-phase adaptor for applications where the neutral conductor is inaccessible.

Customised versions of instruments and probes are available. Further details, on the above products, can be obtained from LEM subsidiaries and authorised distributors worldwide.



Distributor



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Skelmersdale, Lancashire, United Kingdom. WN8 9QX

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