

RECORDER

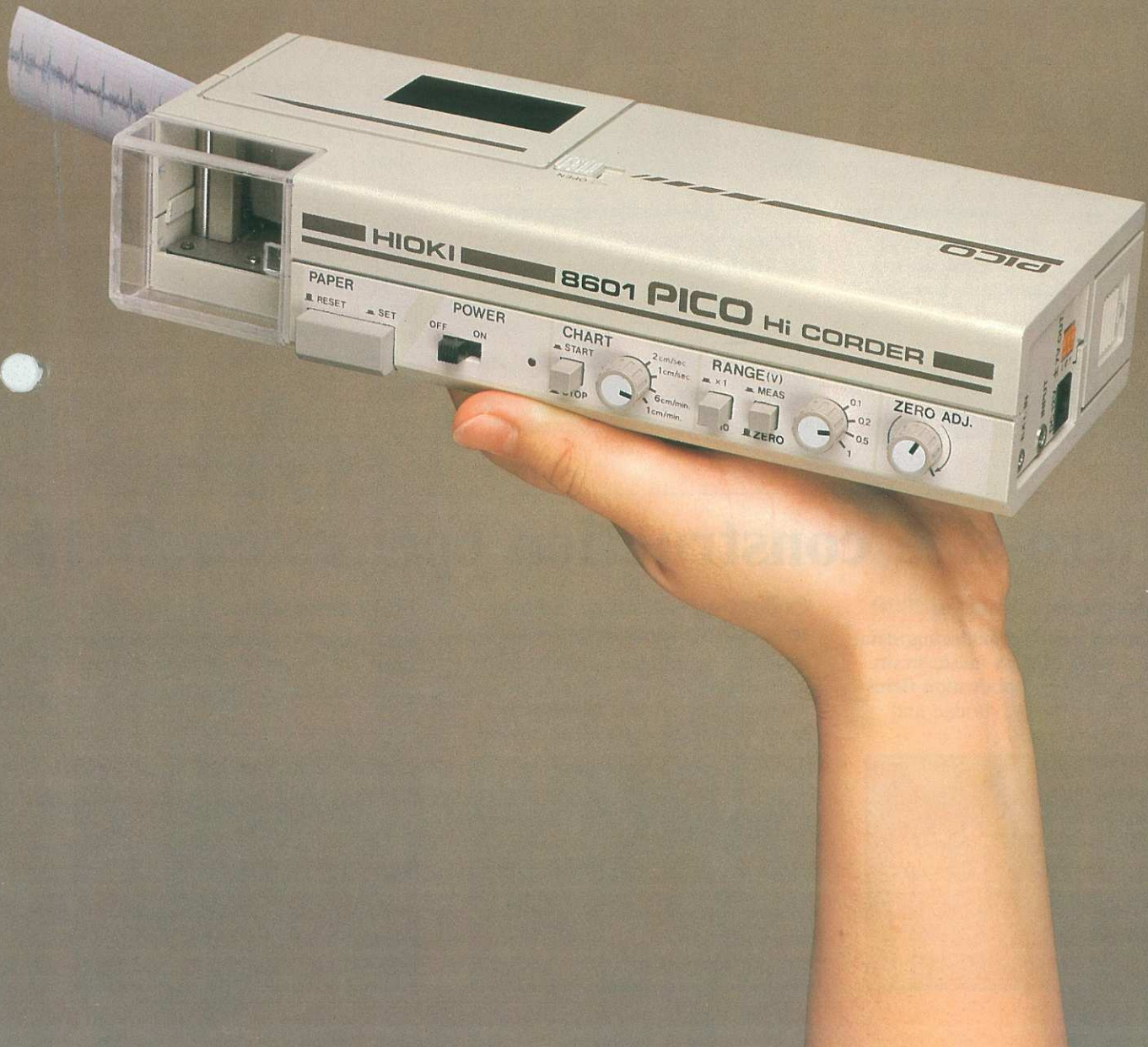
HIOKI

PICO Hi CORDER

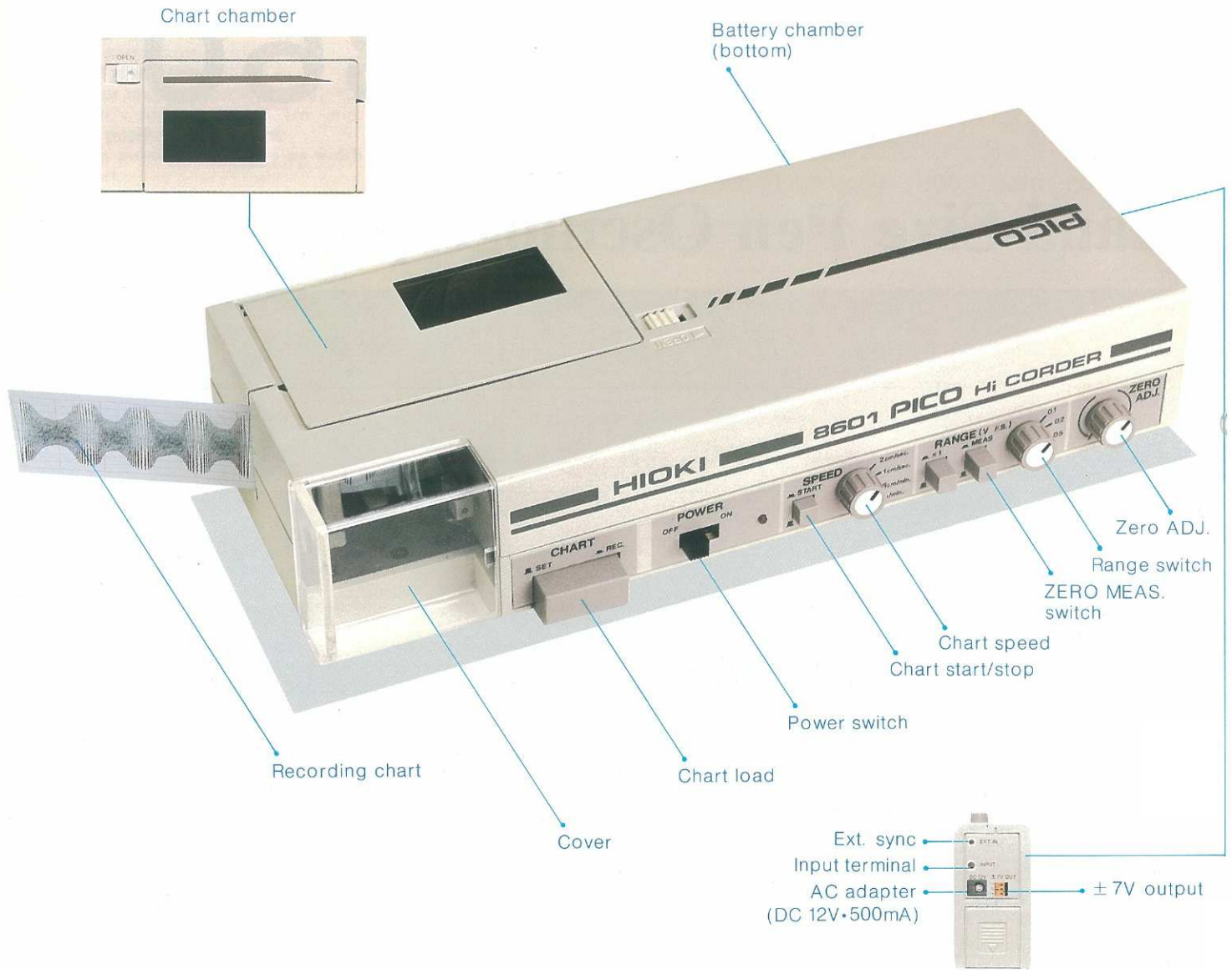
8601

Battery operated.....80Hz response (5mm p-p)

Hand-Size Pen Oscillograph



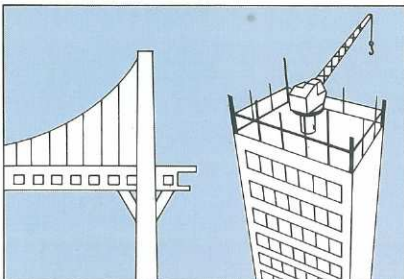
Accurately captures minute amplitude var



Micro-size construction opens new fields

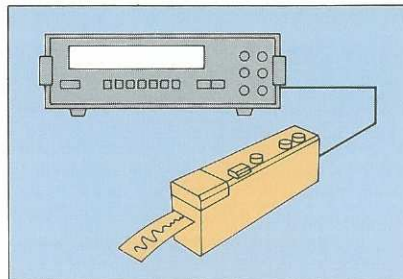
On-site measurements.

An effective means of collecting data on phenomena such as noise, strain, and temperature. Application fields include shipboard use, bridge and other large structures.



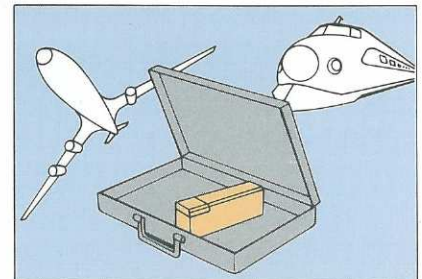
Collecting output data from measuring instruments.

Ideal for recording measurement instrument output in scientific and research labs. Takes up minimum space.



Field service.

Easily carried in an attaché case. Ideal for the traveling service technician and equipment inspector.

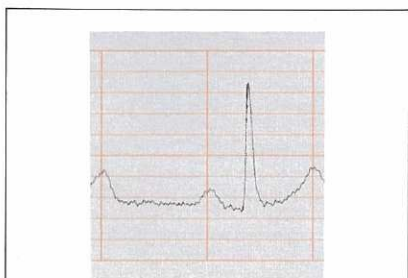


ations...Battery operated for use anywhere.

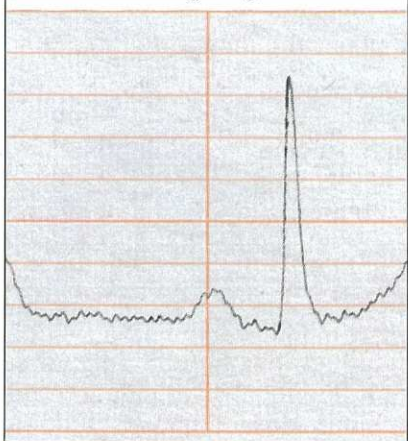
Clear recordings.....Stylus type pen.

Unique edgewise type linearity correction mechanism features response sensitive enough to capture even the most minute variations in amplitude. Signal waveforms at frequencies of up to 80Hz are recorded in a sharp, clear line.

The recording line width is $100\mu\text{m}$, but sharply defined. The recording can therefore be magnified using a loupe or enlarged copy for close analysis of transients.

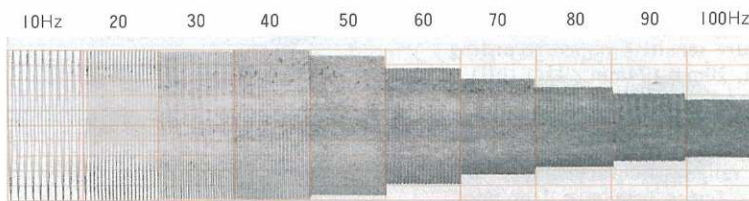


Above recording magnified 2X.



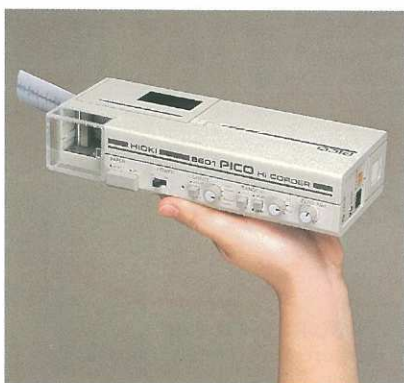
Maintenance-free.

The scratch-recording stylus needs no ink, does not require replacement.



Battery operated-Compact construction.

Operates for two hours on eight size AA batteries. Light (700g) and compact, the recorder can be used anywhere. And because it occupies little space, the recorder can be easily built into other equipment.



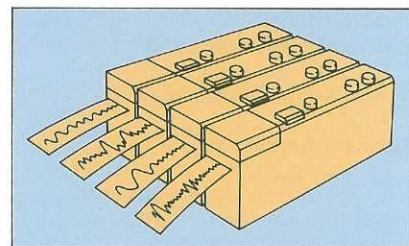
Single control panel.

All operating controls are located on a single panel. Operating status can be ascertained at a glance.



Multiple recorder operation possible.

External sync start-stop allows any number of recorders to be operated together in a multiple recorder configuration. Recorders can be carried in a case for convenience.



Plug-in type amplifiers

(optional)

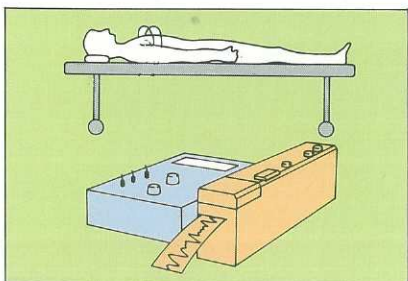
Plug-in type amplifiers are available for specific measurement applications. Optional amplifier shells can also be used to house custom-made circuits. Used in conjunction with application-specific transducers, systems suited for a wide range of applications can be obtained economically.



f application.

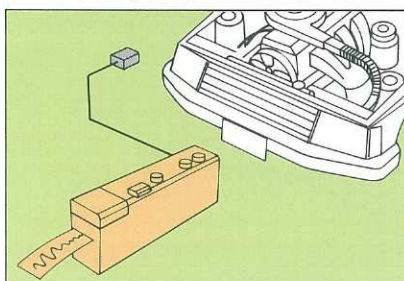
Medical measurements.

Serves as an emergency type electrocardiograph or electromyograph.



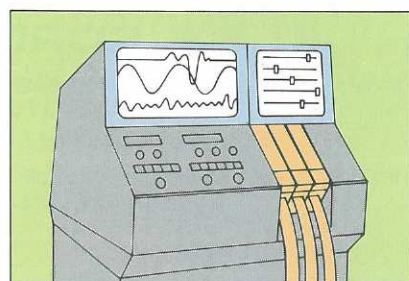
Mechanical and electrical measurements.

Wide ranging applications include use in combination with surface roughness test meters, vibration meters, temperature meters, etc.



Built internally into equipment.

Extra compact dimensions allow the recorder to be easily designed into other equipment.



● Specifications

Recording method:

DC servo, scratch type recorder

No. of channels:

One

Recording chart:

Pressure sensitive paper; recording width, 20mm (24mm×15m roll)

Chart feed method:

Stepper motor

Chart feed speeds:

Four ranges (accuracy, +1%, -2.5%), 2cm/s, 1cm/s, 6cm/min, 1cm/min.

Zero position adjustment:

Any point across recording width of chart.

Recorder accuracy:

±2.5% f.s.

Frequency response:

20mm p-p... 0~40Hz (±2.5%)

10mm p-p... 0~60Hz (±2.5%)

5mm p-p... 0~80Hz (±2.5%)

Input voltage sensitivity:

Seven ranges, 0.1, 0.2, 0.5, 1, 2, 5, 10V f.s.

Input resistance:

1MΩ (fixed)

Maximum allowable input:

AC 100V for 1 min.

Operating temperature:

0~45°C

Auxiliary functions:

External start/stop function (used for synchronizing operation of multiple recorders, 5V · 5 mA); Preamp shell (optional)

Power source:

Eight size AA batteries, or DC 12V, 500mA adapter.

Continuous operating time:

Approx. 2 hours on battery (balanced, <10Hz, 200mA); Minimum time: 20 min. (unbalanced, 500mA)

Weight:

700g

Dimensions:

83H×207L×43T (mm)

Accessories:

9226 Recording chart, 10 roll; Size AA batteries, 8; 9541 Carrying case.

9158 Input cord.

● Consumables, Optional Accessories

Consumables

9226 Recording Chart, 1 box (10 rolls)

Optional Accessories

9158 Input cord

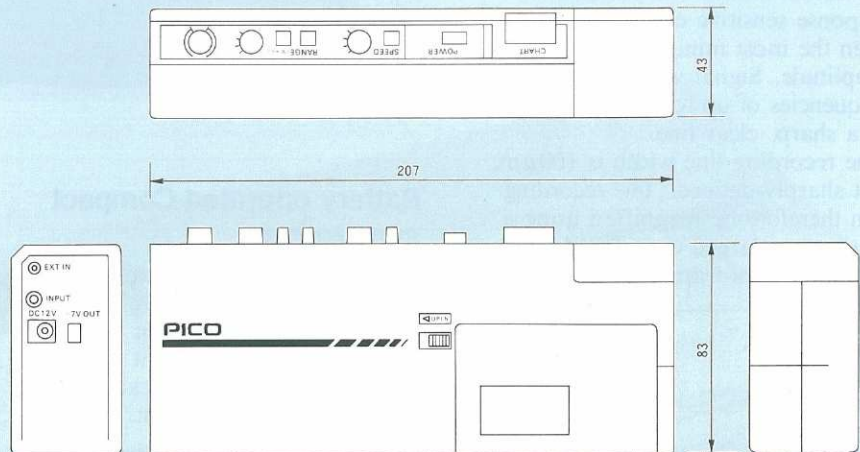
9551 DC-RMS Preamp

9008 Clamp probe (for 9551)

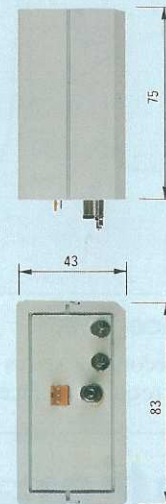
9116 Input cord (#)

● Dimensions

Main



Preamp



(Unit: mm)

9551 DC-RMS Preamp

Measurement range 12range, DC output or rms (10, 20, 50, 100, 200, 500mV) (1, 2, 5, 10, 20, 50V)

Accuracy: 2.5% f.s. (DC~10kHz)

Frequency response: DC~20kHz (-3dB)

RMS Conversion time: Within 100ms (0~90% f.s.)

Input resistance: 1M (fixed)

Maximum allowable input: AC 100V for 1 min.

Accessories: 9116 Input cord

Standard Packing (Double carton box)

Sets	N.W.(kg)	G.W.(kg)	M ³
6	6	9	0.10m ³

HIOKI E.E. CORPORATION

DISTRIBUTED BY

HEAD OFFICE: P.O. Box 1, Sakaki, Nagano, 389-06 Japan.

Tlx: 3327508 HIOKI J / Cable: HEWLOV, Ueda

Tel. (0268) 82-3030 / Fax. (0268) 82-3215

HIOKI-RCC, INC.: 198 Route 206 South Somerville, N.J. 08876 U.S.A.

Telephone: (201) 874-6484