

The Standard for Recorders

Depending on your application, select either the 8205 for general applications or the 8206 for power lines.

8205 : For Recording AC Voltage, DC Voltage, or AC Current on a Single Channel

Easy viewing of the input level with a full-range level monitor. For DC measurement, the zero position can be changed in steps that are -20% of the range, which is convenient for tasks such as recording both polarities.

8206 : For 2-Channel Special Purpose Recording of AC Voltage and Current from Power Lines

For voltage measurements, the display can be expanded from 25% to -35% around the center of the range. The center value can be changed in steps that are -10% of the range, which is convenient when it is necessary to adjust the measurement position for electric circuits with different rated voltages.





8205 and 8206 Common Specifications

Recording method	60-mm (2.36 in) amplitude (1 division = 10 mm/0.39 in), heat-sensitive recording.
Display	Level meter and scaling values by LCD bar graph, plus other setting information.
Sampling rate	100 S/s (sampling frequency: 10 ms fixed).
Recording time axis accuracy	Within ±0.5%.
Environmental conditions (non-condensating)	Operating temperature and humidity ranges: 5 °C to 40 °C (41°F to 104°F), 35 % to 80 % rh [Safety]:EN61010:1993+A2:1995, CAT III, Pollution Degree 2 EN61010-2-031:1994, [EMC]:EN61326-1:1997+A1:1998, Class A, EN61000-3-2:1995+A1:1998+A2:1998, EN61000-3-3:1995
Applicable standards	
Power	100 to 240V AC (auto selecting) at 50/60 Hz, or 9.5 to 14V DC.
Maximum power consumption	30 VA maximum (AC or DC operation).
Included Accessories	9235 RECORDING PAPER (1roll), roll paper holder (2), power cord (1), 9257 CONNECTION CORD (1), 9344 CARRYING CASE (1).



Individual Specifications	8205	8206 H × 21 D mm
Input channels	One channel, AC or DC voltage, or one channel AC current. (Simultaneous recording not available, one channel may be either type, input is voltage isolated.)	
Voltage measurement ranges * Resolution = 400 points / range	0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, or 500 V AC/DC. In DC mode, the zero position can be set in steps of 20% of the range. Maximum input voltage: 500 Vrms Accuracy: ±2% of the range. (ACV/45 Hz to 66 Hz) Frequency characteristic: +0.5 dB to -3 dB from 20 Hz to 30 kHz.	
Rectification system	True RMS.	
Input resistance	Voltage: approx. 1 MΩ. Clamp input: 1 Ω ±10%.	
Maximum voltage above ground	500 V AC/DC between voltage input channel and frame ground.	

■ Paper Feed Speed and Recording Time * Time Axis Resolution = 80 points / DIV [1 DIV = 10 mm (0.39 in)]

8205	8206	9235 Standard Sensitized Paper (15 m (49 ft 2.5 in) Roll)	9236 Climate-Resistant Sensitized Paper (13.5 m (44 ft 3.5 in) Roll)
Paper Feed Speed	Paper Feed Speed		
20 cm (7.9 in) /min	—	1 h 15 m	1 h 7 m 30 s
6 cm (2.36 in) /min	—	4 h 10 m	3 h 45 m
60 cm (23.8 in) /hr	60 cm (23.8 in) /hr	1 d 1 h	22 h 30 m
—	20 cm (7.9 in) /hr	3 d 3 h	2 d 19 h 30 m
10 cm (3.94 in) /hr	—	6 d 6 h	5 d 15 h
—	—	—	9 d 9 h
—	—	—	28 d 3 h

■ CLAMP ON SENSOR Specifications



Rated current	Primary: 100 A AC Secondary: 100 mA AC	Primary: 500 A AC Secondary: 500 mA AC
Maximum input current	130 A continuous at 45 to 66 Hz	600 A continuous at 45 to 66 Hz 600 V rms AC or less (insulated conductor)
Diameter of measurable conductor	ø15 mm (0.59 in)	ø46 mm (1.81 in) Approx. 77 W × 151 H × 42 D mm (Approx. 3.03 W × 5.95 H × 1.65 D inch) Cable length: 3 m (9.84 ft), mass: 360 g (12.7 oz)

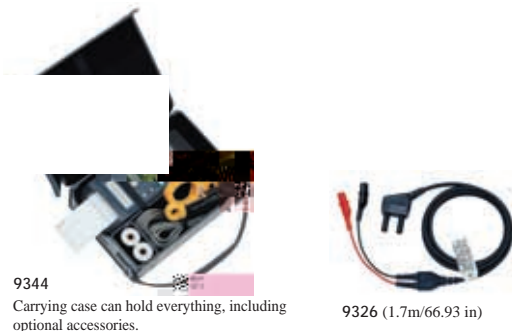
Ordering Information

- 8205 MICRO HiCORDER (1-channel recording)
- 8206 MICRO HiCORDER (2-channel simultaneous recording)

* The 9650 and 9651 CLAMP ON SENSOR for current measurement are not supplied with the 8205 and 8206 MICRO HiCORDERs. To measure current, an optional CLAMP ON SENSOR must be purchased separately.

● Options

- 9235 RECORDING PAPER (15-m (49 ft 2.5 in) roll, 10 rolls/set)
- 9257 CONNECTION CORD (Supplied as standard with 8205 and 8206)
- 9326 CONNECTION CORD (Special option for 8205 voltage input)
- 9344 CARRYING CASE (Supplied as standard with 8205 and 8206)
- 9650 CLAMP ON SENSOR (10 to 100 A AC)
- 9651 CLAMP ON SENSOR (10 to 500 A AC)



9344 Carrying case can hold everything, including optional accessories.

9326 (1.7m/66.93 in)



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