

## PIEZO PRESSURE FLOW/SNORE SENSOR



Model 14830 Piezo pressure flow/snore sensor

This sensor is designed to detect respiratory airflow and snoring for recording onto a polygraph, EEG or similar type of physiological recorder. The internal piezo crystal senses minute pressure changes and filters them into two bands—slow waves to the flow channel, and fast waves to the snore channel. The sensor plugs directly into the electrode jack box; no external power source is required. A nasal cannula is attached to the patient.

- Isolated element provides excellent immunity to environmental artifacts.
- Very strong and stable signal
- Sturdy mechanical design

This device is for diagnostic purposes only and not for use as an apnea monitor.

## SPECIFICATIONS

Sensor Technology	Piezo crystal in ABS box
Typical Polygraph Settings – Flow	Sensitivity: 50 to 200 $\mu\text{V}/\text{mm}$
	Low frequency filter 0.01 Hz
	High frequency filter 10 Hz
Typical Polygraph Settings – Snore	Sensitivity: 100 to 300 $\mu\text{V}/\text{mm}$
	Low frequency filter 50 Hz
	High frequency filter 500 Hz
Typical Signal Amplitude	Signal amplitudes may vary. Response is dependent on such variables as cannula type and position, polygraph characteristics, etc.
Physical Size	2"x1.5"x0.5" box (50x30x13mm)
Cable Length	2 sets, 1.5 mm touch-proof connector
Weight	3 oz. (82 g)

## ORDERING INFORMATION

Model 14830	Piezo pressure flow/snore sensor
Model 14830-KIT	Sensor + 14805 5 cannula pack

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