

PIEZO CRYSTAL EFFORT SENSOR



Model 1370 Piezo crystal / buckles

Using a piezo-electric crystal, the respiration effort sensor converts chest or abdominal respiration movement to a small analog voltage that provides a clear, reliable indication of respiration waveforms.

The sensor may be connected to any AC (low level) channel on the recorder.

- Isolated element provides excellent immunity to environmental artifacts.
- Very strong and stable signal
- Sensors individually calibrated for consistent sensitivity.
- 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	Sensitivity: 100 to 300 $\mu\text{V}/\text{mm}$ Low frequency filter 0.1 Hz High frequency filter: 70Hz
Typical Signal Amplitude	Typical 1mV peak to peak. Signal amplitudes may vary. Response is dependent on such variables as sensor position, strap tension and polygraph characteristics, etc.
Physical Size	3" side to side (75mm)
Cable Length	Sensor: 6'7" (200 cm), 1.5 mm touch-proof connector
Weight	3 oz. (82 g)

ORDERING INFORMATION

Model 1370	Piezo-crystal effort sensor
Model 1370-KIT	Sensor + 1350 elastic band

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