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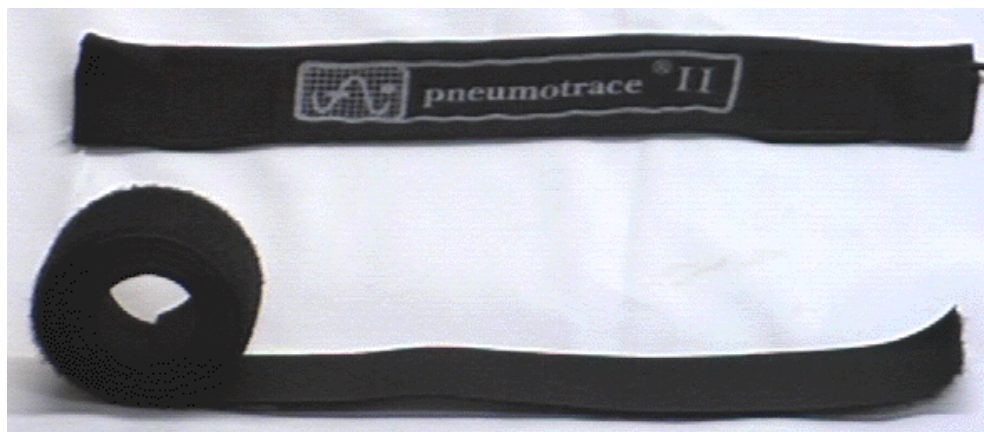
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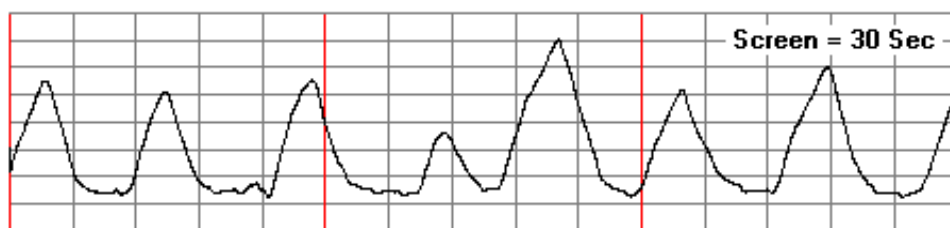
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UFI Model 1132 Pneumotrace II™



The Model 1132 Pneumotrace II™ is a sturdy piezo-electric respiration transducer. It generates a high-level, linear signal in response to changes in thoracic circumference associated with respiration. The 1132 *requires no excitation voltage*.



The Model 1132 recorded this sample data from the chest of an adult male; the UFI [Model SRS2004/d](#) performed the signal conditioning and data recording.

Using the Model 1132 for volume assessment

UFI is often asked whether the Model 1132 Pneumotrace II™ can be used for quantitative respiration volume measurements. Frequently, the answer is "yes." Here is what one of our customers had to say:

"I would suggest that you might be erring slightly on the side of modesty when you state that the Pneumotrace cannot be used to assess breath volumes - I get correlation coefficients of about 0.8-0.9 when it is used simultaneously with a pneumotachometer on human subjects. That's surely a reasonable semiquantitative estimate."

The Model 1132 can be used for a number of studies requiring respiration volume unless exact measurements are required. For some studies, you may want to evaluate one before purchase to see if results are adequate. Amplifier input impedance should exceed one megohm for best results.

Model 1132 respiration transducer specifications

- Signal source: piezoelectric
- Excitation required: none
- Signal output: 20 to 200 mV into a one megohm load
- Transducer package size: 11" long, 1" wide, and 0.125" thick (280mm x 25mm x 3.2mm)
- Instrumented diameter: 8" to over 100" (20cm to over 250cm). 48-inch (122cm) hook-and- loop strap provided to link ends of transducer package.
- Lead length: 10 feet (305cm)
- Other characteristics: waterproof and washable; optional BNC connector available (Model 1132BNC)

Published references to the UFI Model 1132

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