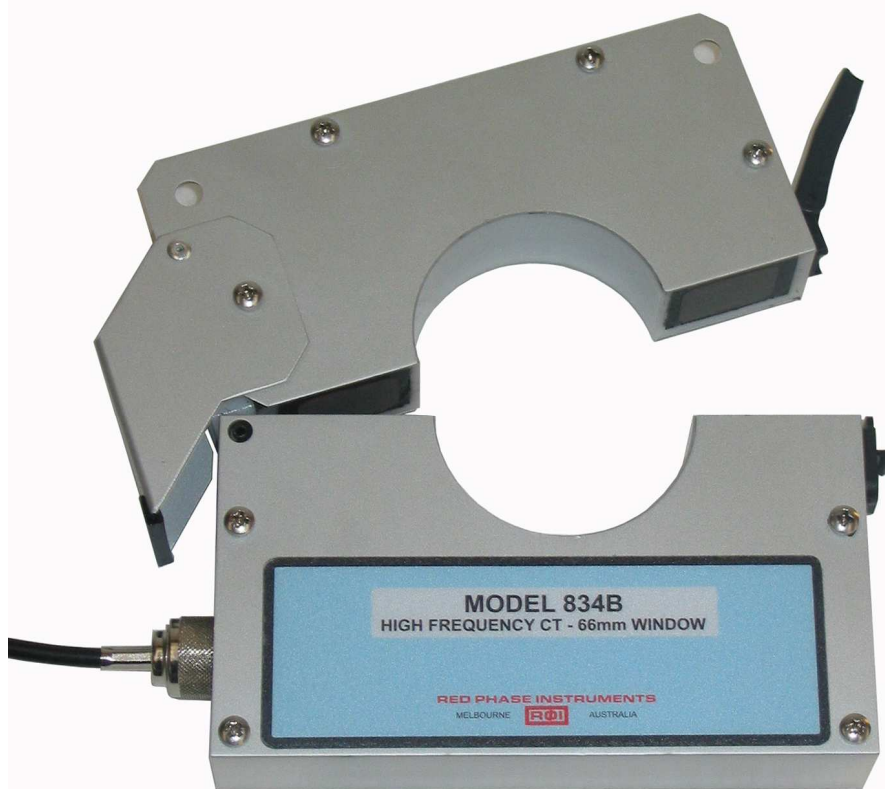


MODEL 834B HFCT

High Frequency, split core current transformer sensor



Includes:

- ***Correctly phased and matched core halves***
- ***Large 66mm window to fit most earthing cable types***
- ***Enclosed in a potted high quality aluminium housing.***
- ***Embedded 20db gain amplifier.***
- ***Frequency range: 50kHz to 10MHz***
- ***Terminated by a BNC connector***

Designed by Red Phase Instruments for the specific purpose of sensing radiated Partial Discharge signals from earthing cables to 10MHz.

The 834B HFCT interfaces to the 832B Partial Discharge Testing platform via a coaxial cable. No other cabling is required as power for the HFCT is provided via the coaxial cable and all other signals are coupled onto the cable electronically.

One or more 834B HFCT's may be used in combination with the 835B ultrasonic sensor and the 836B noise sensor to provide a comprehensive and yet flexible radiated PD sensor array.

RED PHASE INSTRUMENTS AUSTRALIA PTY., LTD. ABN 47 005 176 670

10 Ceylon Street, Nunawading, Melbourne, Victoria, 3131, Australia

Tel: + 61 3 9877 6988 **Fax:** + 61 3 9878 8508

E-mail: sales@redphase.com.au

Website: www.redphase.com.au

MODEL 835B

Ultrasonic sensor



Includes:

- *Die cast aluminium enclosure*
- *Powder coated*
- *Magnetic base for attaching to metal surfaces*
- *Internal 20db gain amplifier.*
- *Frequency range: 60kHz to 180kHz*
- *Terminated by a BNC connector*
- *Separate earth connecting post*

Designed by Red Phase Instruments for the specific purpose of sensing radiated non-electric Partial Discharge signals through metal surfaces such as Transformers and Switch Panels in the acoustic range to 180kHz.

The 835B interfaces to the 832B Partial Discharge Testing platform via a coaxial cable. No other cabling is required as power for the sensor is provided via the coaxial cable and all other signals are coupled onto the cable electronically.

A separate earth post is used to provide a different or isolated reference as opposed to the metal surface to which the ultrasonic sensor is mounted.

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MODEL 836B

Ambient noise sensor



Includes:

- *Die cast aluminium enclosure*
- *Powder coated*
- *Two antenna options provided*
- *Internal 20db gain amplifier.*
- *Frequency range: 20kHz to 10MHz*
- *Terminated by a BNC connector*
- *50m range sensitivity*
- *Separate earth connecting post*

Designed by Red Phase Instruments for the specific purpose of sensing ambient electrical noise to 10MHz, the 836B interfaces to the 832B Partial Discharge Testing platform via a coaxial cable. No other cabling is required as power for the sensor is provided via the coaxial cable and all other signals are coupled onto the cable electronically.

The 836B can be used in combination with PD sensors to provide an adjustable noise gating feature which will block out PD signals for a specified time during a high noise event. A separate earth post may be used to provide a different or isolated reference.

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