

Probe Design and Frequency: Each probe consists of two crystals; one transmits ultrasound waves and one receives the reflected waves. The energy beam is as wide as the crystal.

The probe frequency is specific to each instrument. The probe's two connectors can be plugged into either of the two jacks on the Doppler unit that match the probe frequency. The frequency is identified on the panel next to the jacks and on the label attached to the probe cable (probes manufactured before September 2006 will only be inscribed). Disconnect the probes from the Doppler unit only for sterilization.

Remove the red protective covering from the probe tip before use. DO NOT remove the plastic label attached to the probe cable.

⚠ Warning! Damage to either crystal will impair or prevent probe function. The material covering the crystals can be damaged by ECG cream or paste, abrasion, soaking in alcohol or disinfectants, and excessive heat.

⚡ Inspect the Probe: Before each use, inspect the probe for any cracks or breaks in the protective epoxy covering. Damage that could allow for ingress of conductive fluids, such as acoustical coupling gel, can create a shock or burn hazard if the Doppler unit's metal case is grounded and comes in contact with or is used with other electronic equipment.

Use Coupling Gel: The probe requires a conduct medium to maintain an interface between the skin and the probe for signal transmission. Use *only* a coupling gel made for ultrasonic applications. DO NOT use ECG cream or paste, which will damage the probe covering.

Technical Support: If you experience problems that cannot be resolved by following the troubleshooting guide in the operating manual, visit our website or call technical support M-F, 7 AM - 3:30 PM, Pacific Time:

Flo-labs: 888-356-9522
All others: 800-547-9753, Option 4

Contact Information: Parks Medical Electronics, Inc.
Mailing: PO Box 5669, Aloha, OR 97006-0669
Shipping: 19460 SW Shaw, Aloha, OR 97007-1242
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Parks Medical Electronics, Inc. warrants probes against defects in materials and workmanship for a period of six months. Parks will, at its discretion, replace or repair free of charge, including labor, all parts which prove to be defective and subject to such warranty.

This warranty does not apply to any probe not used according to instructions or damaged by abuse, accident, alteration, misuse, and/or tampering. Removing the identification label from the probe voids the warranty.

Standard Pencil Probe

Frequency: high: 8.0-9.9 MHz
low: 3.9-4.4 MHz

Diameter: high 3/8 in; low 1/2 in

Cable length*: 5 ft standard

Description: Standard diagnostic probe.



Skinny Pencil Probe

Frequency: 8.0-9.9 MHz

Diameter: 1/8 in

Cable length*: 5 ft standard

Description: Provides better resolution for small vessels. Concentrates power to produce a beam with higher intensity than the standard pencil probe.



Obstetrical Probe

Frequency: 2.10-2.25 MHz

Diameter: 3/4 in

Cable length**: 5 ft standard

Description: For 611-L, 614-B, 641-A and 917 only. Obstetrical probe for detecting fetal heartbeat. Not for continuous monitoring. Two semicircular crystals.



Precordial Probe

Frequency: 2.10-2.25 MHz

Diameter: 3/4 in

Cable length*: 5 ft standard

Description: For 915-BL only. Used for detecting air emboli in the heart. Two semicircular crystals.



Flat Probe

Frequency: 8.0-9.9 MHz

Size: Adult 5/8 in X 3/4 in; Infant 1/2 in X 5/8 in

Cable length*: 5 ft standard

Description: Easily taped into place for repeated measurements. Crystals are set into the plastic so that the ultrasound beam goes into the vessel at about 15 degrees from perpendicular.



PPG Probe

Frequency: Infrared

Diameter: 1/2 in

Cable length: 5 ft standard

Description: For instruments with a PPG jack. An infrared signal is transmitted by a diode and received by a photo detector. USES NO GEL.



Doppler units *841-A and **641-A have a 3 ft standard cable length. 7 and 10 ft cable lengths are available by special order.