



## PF-500 RF Power Fuse



The PF-500 is a stand-alone RF power sentry that is used to protect expensive transducers from accidental overpower damage. Placed in-line between the RF power generator and the transducer, it passes the signal unless the power level exceeds the desired limits. The user may select from six power-limit settings. If an excessive amount of power is sent to the transducer, the PF-500 will send out a warning signal or short the RF line to ground, or both, depending on the user settings.

## **PF-500 Features:**

This product is designed to protect expensive HIFU transducers from being overdriven and damaged. A six-position switch selects the desired power level at which a TTL error signal will be generated. If desired, the PF-500 can also be set to short the coax to ground within ten milliseconds of an accidental overpower condition. This blows an inexpensive replaceable fuse in the PF-500 instead of damaging the transducer.

The PF-500 can also be installed backwards to monitor the reflected power coming back from the transducer. In this configuration the PF-500 provides protection in case the transducer is lifted out of the water. If this happens, the acoustic match is lost and all power reflects back toward the power amplifier, potentially damaging the amplifier. The transducer can also be damaged, since the voltage at the transducer can spike to a high value.

The PF-500 can be used by itself, or with other JJ&A HIFU products to provide a complete laboratory system.

Dimensions: 2.5 x 1.5 x 6 inches (6.4 x 3.8 x 15.2 cm)

Weight: 1 lb (2 kg)

*Specifications subject to change without notice.*