



# **TINKER & RASOR**

**1948      60 YEARS OF QUALITY      2008**



## **THEORY OF OPERATIONS RF-IT**

RF-IT works at about 221 kHz. The 221 kHz signal is applied to one side of a pipe by one of the two probes. The second probe then receives the high frequency signal. If the received signal is almost as strong as applied, the pipe is shorted.

RF-IT has an internal band-pass filter which will filter out all the frequencies above and below 221kHz. This allows taking measurements on pipelines that are under cathodic protection or have other induced or impressed currents or signals.

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