> › **Enhanced local user interface**
> › **Transmission system monitor for VSWR, pressure, overpowering, and temperature**
> › **Forward and reverse remote power sensors measure power at directional couplers**

Scout-out elevated VSWR before it causes problems

The Dielectric RF Scout Plus monitors RF transmission system VSWR and forward power to aid in detecting VSWR problems as they develop. In many cases, this will allow the transmitter operator to remedy transmission system contributors to elevated VSWR before they affect operations. The unit continuously monitors forward and reflected power, and displays the values. It can hold one month of half-hour data and up to 100 alarms. The system can also be configured to monitor transmission line pressure and temperature. User-settable options include warning and alarm levels, enable/disable interlock trip for each monitoring function, and a VSWR alarm strike-out number.

The RF Scout Plus offer a high degree of flexibility in monitoring and communications capabilities. The unit's status is available to local operators via a 4.3" touch panel, and to remote operators through an Ethernet interface with HTTP (web page).

The RF Scout monitoring system comprises a rack-mountable unit with two power sensors and their associated 25' cables, along with a dual directional coupler with factory pre-set coupling values consistent with the forward power level. The coupler sections are designed for the various line sizes available. The RF Scout Plus may also be supplied without the coupling section for systems that already have the appropriate couplers in place. Pressure transducers and thermocouples can be supplied separately.

The RF Scout Plus with PlusConnect provides a seamless link to Burk Technology ARC Plus remote monitoring and control systems, bringing RF Scout Plus-monitored and -controlled parameters aboard the ARC Plus. A single serial connection to the ARC Plus network reduces installation time and saves the expense of adding remote control capacity. If you already have an ARC Plus system controlling your transmitter, you don't have to rewire IP connectivity between the RF Scout Plus and the ARC Plus, eliminating the need to run new wires or cable from the RF Scout to the remote control. Just add the RF Scout with the PlusConnect to your ARC Plus network.

Communications are secure thanks to an encrypted digital signature sent with each packet.