

# RPR-4000-HP



## Ritec's new 15 KW<sub>RMS</sub> Pulsar-Receiver System

Ritec is proud to introduce the new RPR-4000-HP High Power Pulsar-Receiver System. Developed at the request of one of the worlds largest steel corporations, the RPR-4000-HP is a toneburst pulser-receiver system designed for some of the most demanding EMAT applications.

The RPR-4000-HP features a high power pulser capable of output levels exceeding **15 KW<sub>RMS</sub> (> 2500Vp-p into 50 Ohms @ 0.3% duty cycle)**. Don't be fooled by imitators, this is a rating of true RMS power from a Class AB Gated RF Amplifier. In terms of peak power, the RPR-4000-HP produces >30 KW Peak. In applications where saturated power is suitable, the RPR-4000-HP will produce in excess of 20 KW<sub>RMS</sub> (40 KW Peak). It should be noted that this performance is maintained over a bandwidth of >1 decade over frequency ranges between 20 KHz and >3 MHz. This tremendous amount of power also lends itself to applications involving highly attenuative and highly dispersive materials such as Concrete, Rubber, Wood and Composites, as well as applications involving air-coupled UT.

Complimenting the high power pulse source is a low noise, high gain (100dB) broadband receiver. All of the RPR-4000-HP's functions are controlled either by a front panel key pad and LCD display, or through computer control.

