

**QUASAR®**

## QUASAR RI 2600 TRANSCEIVER

### General Description:

The Magnaflux Quasar RI 2600 Transceiver is the heart of the PCRT hardware system, driving the transducers, receiving their signals, digitizing the resulting information and sending it to the Control Computer.

The transceiver contains a central processor and circuitry that drives a transducer and thus the part under test. The transceiver then collects the high-speed data produced by the sensing transducers. These test data are passed to the control computer for processing by Magnaflux Quasar software. Testing starts when the PCRT transceiver receives a test request from the control computer and continues until all the data for a part are collected.



The PCRT transceiver is typically mounted in a rack in the System Workstation.

### Input/Output:

- 1 each Line Power In
- 1 each Transducer RF Out (Drive)
- 2 each Transducer RF In (Channel 1, Channel 2)
- 1 each Video Monitor Out
- 1 each Keyboard In
- 2 each Serial DB-9 (Host Computer, Nest Computer)
- 1 each USB 2.0
- 1 each Auxiliary/Temp Comp In

### Power Requirements - standard North America configuration

Voltage: 115 V +/- 10%, single phase

Max Current: 3 Amps

Power Dissipation: 300 Watts (Production Nondestructive Test Systems)

### Environment Requirements (operational)

Temperature: 5 - 55 degrees C

Humidity: 0 - 95% (non-condensing)

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