

OMNI-200 System Specifications

Power: 100-250 VAC 50/60 Hz

Environmental: 32 – 113°F (0 to 45°C) operating range, -4 - 158°F (-20 to 70°C) storage

Interface: Four port 10/100 Ethernet switch

OMNI – 200 Acquisition System

Frequency Range: 20 Hz to 5 MHz

ET: 100Hz – 5Mhz

RFT: 20Hz – 100Khz

Drive Voltage:

ET: 0 – 20 Vpp

RFT: 0 – 60 Vpp 300 ma protected

DC Output: 0-10 Volt 1.5 Amp protected

RPC Motor Output: 0-10 Volt 1.5 Amp protected

System Gain: -22 to 20 db adjustable

Preamp Gain: 0-700 adjustable

Frequency Generators: 4 multiplexed or simultaneous

Channel Capacity: Simultaneous mode 32

Multiplexed mode 128

Context mode 512

Supported Probes:

With AM-201 Module (4 impedance coils and 4 driver/pickup coils)

Bobbin Probes

RFT probes (up to four coils)

Array probes (up to four coils)

Includes one channel of reference probe removal

With AM-202 Module (8 impedance coils)

SG Array Technologies

Array probes (up to eight coils)

Dual Bobbin Inspection

Includes two channels of reference probe removal

Impedance Matching: Eliminates need for Hardware Null

Auto Reference: Eliminates need for separate absolute probe

Sample Rate: Samples/Second mode 100 to 10000 s/s

Samples/Distance mode English or Metric selectable

Status and Diagnostic: Voltage and Temperature monitoring (software)

Application specific LED lights

Software Controlled Power Disable

Standard System Contents

OMNI-200 with either AM-201 or AM-202 probe module

Power Cord

Operating Guide

Certificate of Calibration

Shipping Case