

AT SERIES TRANSFORMER TESTERS Vs LCR ANALYZERS AND BRIDGES

	VOLTECH AT3600	VOLTECH AT1	WAYNE KERR 3260B	WAYNE KERR 3255BQ	HEWLETT PACKARD HP 4263B	QT 7600
DESCRIPTION	WOUND COMPONENT ANALYZER	WOUND COMPONENT ANALYZER	MAGNETICS ANALYZER	MAGNETICS ANALYZER	LCR METER	LCR METER
TEST FREQUENCY	20Hz to 3MHz	20Hz to 3MHz	20Hz to 3MHz	20Hz to 1MHz	20Hz to 20kHz	20Hz to 2MHz

LCR METER FEATURES

BASIC ACCURACY FOR R, L, C	0.05%	0.05%	0.10%	0.10%	0.10%	0.10%
R(AC), C, Q, L (SERIES AND PARALLEL), Z, D, X, Ø	YES	YES	YES	YES	YES	YES
INDUCTANCE WITH INTERNAL DC CURRENT BIAS	YES	YES	YES	YES	NO	NO
R(DC)	YES	YES	YES	YES	NO	NO
INSULATION RESISTANCE	YES (5kV)	YES (500V)	YES (Option 500V)	NO	NO	NO
AUTOMATIC LEAKAGE INDUCTANCE	YES	YES	YES (poor)	NO, Manual	NO	NO
COMMUNICATION, DATA AND AUDIO TRANSFORMER TESTS	YES	YES	YES (Option)	NO	NO	NO
R MATCH, L MATCH, C MATCH	YES	YES	NO	NO	NO	NO
MAGNETISING CURRENT, VOLTAGE AND POWER TESTS.	YES	NO	NO	NO	NO	NO
HiPOT AC TO 5kV	YES	NO	NO	NO	NO	NO
HiPOT DC TO 7kV	YES	NO	NO	NO	NO	NO
IMPULSE / SURGE TO 5kV	YES	NO	NO	NO	NO	NO

BATCH AND PRODUCTION TESTING FEATURES:

BUILT IN 20 WAY KELVIN MATRIX	YES	YES	NO	NO	NO	NO
TURNS RATIOS (AUTOMATIC TO MULTIPLE WINDINGS)	YES	YES	NO, Manual	NO, Manual	NO	NO
POLARITY (AUTOMATIC TO MULTIPLE WINDINGS)	YES	YES	NO, Manual	NO, Manual	NO	NO
BUILT IN BATCH REPORTS (PROGRAMMABLE)	YES	YES	NO	NO	NO	NO
STORES UP TO 100 TEST PROGRAMS – INTERNAL	YES	YES	NO	NO	NO	NO
AUTOMATIC TEST MULTIPLE WOUND COMPONENTS WITH BUILT IN REPORTS. NO PC NEEDED	YES	YES	NO	NO	NO	NO
MS WINDOWS PROGRAMMING AND CONTROL SOFTWARE	YES	YES	NO	NO	NO	NO