FLUKE®

Vintage Product Replacement

The Vintage Product Replacement (VPR) program is designed to help you recognize opportunities to sell Fluke products that can replace older or obsolete products that you might see in a customer's lab.

When you see this old product	Sell this Fluke product
Fluke 8505A/8506A Digital Multimeters **Agilent 3458 Multimeter** **Wavetek 1271/1281/1081 Multimeter** **Solartron 7081 Precision Voltmeter** **Datron 1081/1082 Multimeter**	**Fluke 8508A Reference Multimeter**

The replacement opportunity

All of the precision meters are old; the Fluke 8505A/8506A, Datron 1081/1281 and Solartron 7081 are obsolete and no longer serviceable. The Agilent 3458 has established a reputation for speed and accuracy in manufacturing test systems, but traceability and accuracy is questionable without daily internal ACALs. The Fluke 8508A offers a number of performance enhancements that the older meters do not have. In addition, it has been optimized for use in the calibration laboratory.

8508A Reference Multimeter benefits

The 8508A can replace eight commonly needed metrology instruments, including multimeter, resistance bridge, voltage divider, null detector, ac/dc transfer standard, precision thermometer, ac/dc shunt resistors, and electrometer/pico-ammeter.

- Accuracy and stability without the need for daily ACALs
- Greater measurement functionality yet easy to use
- Dual input configuration (optional duplicate set of rear input terminals, useful for making voltage and resistance ratio measurements)
- Tru Ohms advanced resistance measurement capability
- 20 amp current measurement capability
- Resistance thermometer temperature measurement capability
- Can be automated with MET/CAL℠ *Plus* Calibration Management software
- Guaranteed specifications where others specify 'typical' specifications

Key specifications

	Range	Best 1-year absolute specification
Voltage dc	0 V to ± 1050 V	± 3 ppm of reading
Voltage ac	2 mV to 1050 V, 1 Hz to 1 MHz	± 65 ppm of reading
Current dc	0 A to ± 20 A	± 12 ppm of reading
Current ac	2 µA to 20 A, 1 Hz to 100 kHz	± 250 ppm of reading
Resistance	0 GΩ to 20 GΩ	± 7.5 ppm of reading
Temperature	-200 °C to 660 °C	± 2.5 m °C*

*Typical equivalent measurement uncertainty for 100 Ω PRT/SPRT probe at 0 °C.

For up-to-date information about solutions in electrical, temperature, pressure and flow calibration from Fluke, visit www.fluke.com/fpm

Download reference multimeter webinars:
http://us.fluke.com/usen/apps/PM/RefMM03.htm

8508A application notes:

- Migrating from dc voltage dividers to modern reference multimeters.
- Maximizing your reference multimeter, minimizing measurement uncertainties

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4/2008 3316167 H-EN-N Rev A