

S E R V I C E N O T E

SUPERSEDES: None

**3456A Digital Voltmeter**

**Serial Numbers:** 2512A00000 / 9999Z99999

**Clarification of product specifications and calibration cycle**

**Situation:**

Starting with the serial prefix 2512A all 3456A Digital Voltmeters had a new improved voltage reference installed. Some of the product specifications were improved as a result of this product enhancement. The ACV and ohms specifications were unchanged (the same 24 hr specifications, the same 90 day specifications, the same per-month adder format for intervals longer than 90 days). The 24 hr DCV specifications were not changed. However, the better time stability of the new reference allowed the 90 day DCV specifications to be improved dramatically and the per-month adder to be deleted. A 1 year DCV specification was added with accuracy equal to the old 90 day specification.

The recommended calibration interval for the 3456A is six months. This recommendation has not been changed. However, if the intended application uses the DCV function only then the calibration cycle could be extended for newer units (those with serial prefix 2512A or greater) from six months to one year with no loss in accuracy specifications. Remember the accuracy specification for ACV or ohms has not been changed which means that accuracy for these functions is reduced if the calibration cycle is extended.

Note: The new 1 year DCV specification for these units (those with serial prefix 2512A or greater) equals the original 90 day specification.

*Continued*

DATE: 22 March 1993

ADMINISTRATIVE INFORMATION

22 March 1993

SERVICE NOTE CLASSIFICATION:		
<b>INFORMATION ONLY</b>		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
DL	0900	

**Solution/Action:**

The following table clarifies which specifications to utilize and where they can be found for calibration intervals of 6 months and 1 year.

<b>Product serial number</b>	<b>Where specifications can be found (latest version)</b>	<b>Specifications to use (6 mo cal cycle)</b>	<b>Specifications to use (1 year cal cycle)</b>
< 2512Axxxxx	Service Manual (P/N 03456-90004)	ACV & Ohms (90 day specs plus adder for 3 months) DCV (90 day specs for 9 months)	ACV & Ohms (90 day specs plus adder for 9 months) DCV (90 day specs plus adder for 9 months)
> 2512Axxxxx	Current data sheet (P/N 5952-8825) Operating Manual (P/N 03456-90007)	ACV & Ohms (90 day specs plus adder for 3 months) DCV (1 year specs)	ACV & Ohms (90 day specs plus adder for 9 months) DCV (1 year specs)