

# Product Support Bulletin

**PSB #:** PSB-009-03

**System:** Spectrum 9000-Series

**Date:** March, 2009

Racal 3152A

Notification of Instrument  
Obsolescence

(361-627-00, 429-603-01)

## Overview

This Product Support Bulletin (PSB) notifies Spectrum 9000-Series customers that the EADS North American Defense Company ended production of the Racal 3152A Arbitrary Waveform Generator (Teradyne Part numbers 361-627-00, 429-603-01) in July 2008. This obsolescence may affect future planning of Spectrum 9000-Series customers who want to buy additional systems for capacity reasons or on-site spares.

## Systems Affected

When Teradyne stock of the Racal 3152A is depleted, all new Spectrum 9000-Series systems will be configured with the Racal 3152B Arbitrary Waveform Generator. The Racal 3152B is also available now in the Spectrum 9000-Series, and is recommended for customers that require similar Racal 3152A capability, but do not require strict compatibility with the Racal 3152A. The front panel of the 3152B is the same as the 3152A and the 3152B instrument is very close to a direct replacement for the 3152A. When ordered, the 3152B firmware is configured to default to the 3152A emulation. Some known specification differences are shown in the tables that follow.

## Long Term Support

Teradyne will support the 3152A instruments in Spectrum 9100 systems for a minimum of 5 years after end of production, which was in July of 2008. Teradyne Global Customer Service (GCS) has sufficient stock of the Racal 3152A to provide the same support services as our active products. In addition, Teradyne will work with Racal to repair the 3152A through the 5 year support period, and make reasonable commercial efforts to support the 3152A beyond July 2013.

### Output Voltage Accuracy

Racal 3152A	Racal 3152B
+/- (1% + 20 mV) 1.610 V to 16.00 V	+/- (1% + 50 mV) 1.6 V to 16 V
+/- (1% + 2 mV) 161.0 mV to 1.600 V	+/- (1% + 20 mV) 160 mV to 1.599 V
+/- (1% + 200 uV) 10.00 mV to 160.0 mV	+/- (1% +5 mV) 10 mV to 159.9 mV

### Offset Voltage Accuracy

Racal 3152A	Racal 3152B
+/- (1% + 1% of amplitude + 20 mV) +/-8 V window	+/- (1% +/- 1% from Amplitude +/- 5 mV)
+/- (1% + 1% of amplitude + 2 mV) +/-800 mV window	+/- (1% +/- 1% from Amplitude +/- 5 mV)
+/- (1% + 1% of amplitude + 200 uV) +/-80 mV window	+/- (1% +/- 1% from Amplitude +/- 5 mV)