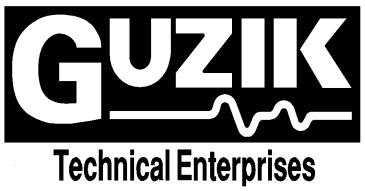

GUZIK DIGITAL MEASUREMENTS (DIME™)

Release Notes

Version 1.13

10/03/2003

CHAPTER 1

INTRODUCTION

The 1.13 release incorporates new features and bug fixes introduced after DIME 1.10 release. (This document uses DIME 1.10 release as a base line for comparison.)

CHAPTER 2

NEW FEATURES INTRODUCED IN DIME

2.1 Initial Support of DIME SDK

The DIME Software Development Kit (SDK) is initially supported in DIME ver. 1.13. I.e. the customer software, designed with the aid of the DIME SDK, can run on DIME starting from ver. 1.13.

The DIME SDK is a separate product, designed to facilitate the development of the software for the remote control and operation of the DIME test environment. Using DIME SDK the customer can develop own software modules, which can access all DIME functionality from the remote PC via network. The DIME SDK supports the Microsoft Visual Basic ver.6.0 development environment and utilizes the Microsoft DCOM architecture for the remote software control.

Please contact Guzik Technical Enterprises customer support for additional details and purchasing options of DIME SDK.

2.2 Windows 2000 Operating System Support

The 1.13 release supports new revisions of Tektronix oscilloscopes with Microsoft Windows 2000 operating system installed. The Table 1 below lists all digital oscilloscopes compatible with the DIME product.

Oscilloscope Model
Tektronix TDS7104
Tektronix TDS7154
Tektronix TDS7254
Tektronix TDS7404

Table 1 Compatible Digital Oscilloscopes

The older models of the listed oscilloscopes with Windows 98 operating system installed are supported as well.

CHAPTER 3

FIXED BUGS

The following bugs were discovered in DIME ver.1.10, and fixed in DIME ver.1.13. The description below explains the bug behavior as it appeared in DIME ver.1.10.

3.1 Improvements in DIME

The software optimization is done to improve the execution time of all DDA and JTA measurements. In DIME ver. 1.13 each DDA and JTA measurement executes approximately 0.4 seconds faster than in the previous releases of DIME. Especially this improvement is noticeable in the continuous run mode.

3.2 Bugs Fixed in DDA Package

Sometimes when running the BER or SAM test the internal software error 0x23F1002C appears. This error occurs in PRML tests like BER or SAM (which require the reference pattern for the test operation), when the oscilloscope acquisition length is set such a way, that the size of the recovered PRML data is greater than 800,000 bits. Now the limit to the maximum number of bits, which can be processed during one oscilloscope acquisition, is increased to 4,000,000 (four million) bits.

3.3 Bugs Fixed in JTA Package

The *Help* | *About* dialog box did not show the revision of the JTA package. Now the JTA revision is displayed correctly.