User's Manual

TA720
Time Interval Analyzer

Notice of Alterations

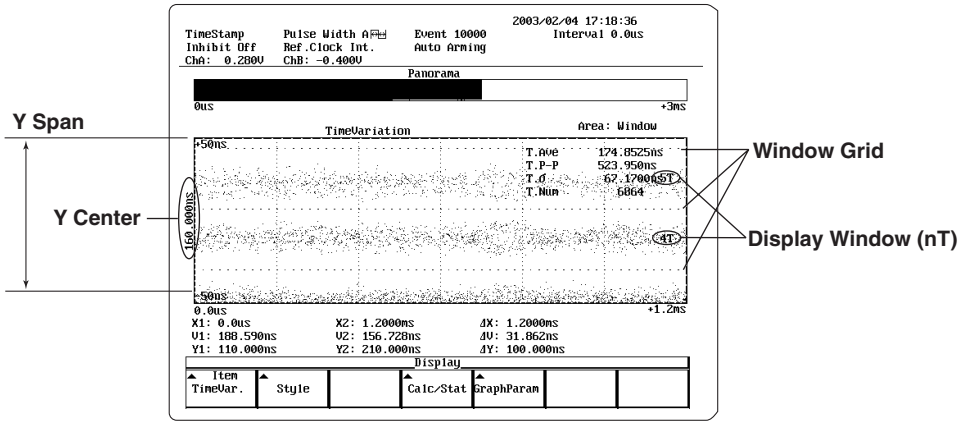
Please note the following alterations to the IM704510-01E.

Addition of New Features

New functions added to the TA720 starting with ROM version 1.05 are listed below. To check the ROM version, display the Version Information dialog box on the TA720 by pressing the **UTILITY** key, then choosing **Next 1/2** > **Version**.

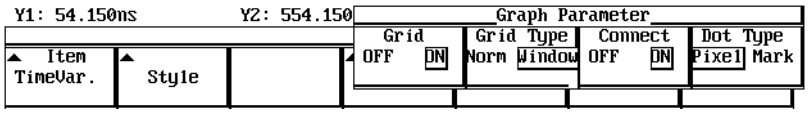
- **Window Grid Function**

  The Window Grid function allows you to display a grid (corresponding to the window marker in the histogram display) in the time variation display.



Displaying the Grid

1. Press the **DISPLAY** key, then press the **Item** > **TimeVar** > **Graph Param** soft keys to display the Graph Parameter menu.
2. In the Graph Parameter menu, choose **Grid**, then select **ON**.
3. Press the **Grid Type** soft key, then select **Window**.
   To restore the normal grid, select **Norm**.



Note

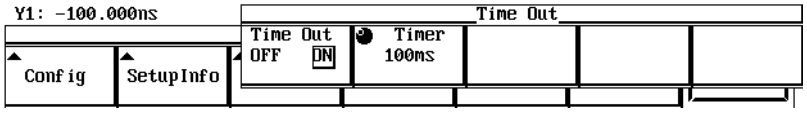
- To display multiple windows (nT), you must select Multi (multi-window) or Auto (auto-window) under Mode in the Window Parameter Setting dialog box.
- The window grid is displayed according to the Y Center (center value of y-axis) and Y Span (span of y-axis) settings under the Scale menu that is displayed by pressing the SCALE key.

- **Time Out Function**

  This function automatically forces a measurement stop after a specified time if the input signal is interrupted and measurement fails.

Setting the Time Out Time

1. Press the **UTILITY** key, then press the **Next 1/2** > **Time Out** soft keys to display the Time Out menu.
2. Press the **Time Out** soft key, then select **ON**.
3. Select the time out time (**timer**) using the rotary knob.
   Select a time out time of one of the following: 100 ms, 200 ms, 300 ms, 400 ms, 500 ms, 600 ms, 700 ms, 800 ms, 900 ms, 1 s, 2 s, 3 s, 4 s, 5 s, 6 s, 7 s, 8 s, 9 s, 10 s.



Page ii **Correction of "SUFFIX" (underlined part)**

	SUFFIX	Description
.....	.....	.....
	-R	AS Standard Power Cord (Part No.: A1024WD) [Maximum Rated Voltage: 250 V, Maximum Rated Current: 10 A]

Page ii **Correction of "Standard Accessories" (underlined part)**

Part Name	Model/Part Number	Q'ty	Description
6. Power fuse	A1113EF	1	A spare, attached to the fuse holder

Page iii **Correction of "Spare Parts" (underlined part)**

Part Name	Model/Part Number	Minimum Q'ty	Description
Power fuse	A1113EF	2	250 V, 3.15 A

Page 6-11 **Addition to "Note"**

- When auto arming is enabled (arming source set to Auto) and the rest time is set to Off, if you set the number of blocks so that "gate time ¥ the number of blocks > 10 s," block sampling is performed using only the number of blocks that would keep "gate time ¥ the number of blocks" less than or equal to 10 s.

Page 9-10 **Correction of "Pulse width A & A-to-B time interval measurement." (underlined part)**

Slope = A↔ A↑B↑

.....

Slope = A↔ A↓B↑

.....

Slope = A↔ A↕B↑

.....

Slope = A↔ A↑B↑

.....

Slope = A↔ A↓B↓

.....

Page 14-4 **Additions to "Warning Messages"**

Error No.	Message	Description
61	Measurement has timed out.	Measurement stopped due to a time out.

Page 14-10 **Correction of "Instrument Settings" (underlined part)**

- Gate time: 100 ms

Page 14-14 **Correction of "Allowable Range for the Standard Deviation" (underlined part)**

166.6 MHz 5.7 ns to 6.3 ns 110 ps or less

Page 14-21 **Correction of "Specified Rating" (underlined part)**

- Part No.: A1113EF

Page 15-10 **Addition to "General Specification"**

Item	Specifications	
Safety standard	Complying standard • Installation category • Measurement category	EN61010-1 II I
Emission	Complying standard	EN61326 Class A EN61000-3-2 EN61000-3-3
Immunity	Complying standard • Cable length	EN61326 Industrial locations The applied BNC cable and GP-IB cable must be shorter than 3 meters.

Page 15-10 **Correction of "General Specification" (underlined part)**

Item	Specifications
Fuse*1	Maximum rated voltage: 250 V, maximum rated current: 3.15 A, type: time lag, standard: UL/VDE certified Part number: A1113EF