



**HEWLETT
PACKARD**

MANUAL CHANGES

Manual for Model Number	8161A
Manual printed on	January 1981
Manual Part Number	08161-90005

Make all ERRATA corrections.

Check the following table for your instrument serial prefix/serial number
and make the listed changes to your manual.

► New Item

Serial Prefix or Serial Number	Manual Changes	Serial Prefix or Serial Number	Manual Changes
ERRATA			

ERRATA

Page 3-23, Program EXPLANATION: directly below "(150)" insert
"(160)" and change existing "(160)" to
"(170)"

Page 3-26, 9825S Program: Line 1, change "f3" to
 "f 3.0"....
 Line 14, change "Y" to "I"

On Page 1-2 (Step 1-21) change to read:

OPT. 911 to OPT. 916

On Page 1-5 Options, change to read:

Opt. 910includes Opt. 916!

change: Opt. 911 to Opt. 916!

On Page 1-0, change to read:

FRNT HDL KIT	5062-3990	(#907)
KIT RACK MNT	5062-3978	(#908)
KIT RCK MNT HDL	5062-3984	(#909)

On Page 1-4, Table 1-2. Specifications change to read:

TRANSITION TIMES (10 - 90% ampl.)
Leading Edge (LEE): 1.3 ns* to 900µs
Trailing Edge (TRE): 1.3 ns* to 900µs

*NOTE:

min. Trans. Time

* < 1ns	20-80% of amplitude
* 1.3ns	>4.5V amplitude in A SEP B mode
* <1.5ns	<4.5V amplitude in A SEP B mode
* <1.7ns	in A ADD B mode (Opt. 020 only)

Resolution: 3 digits (best case 100 ps)

Accuracy: +- 10% of programmed value, +- 1ns

Linearity: +- 5% for transition times > 30ns

ERRATA (Cont.)

On Page 1-0, Figure 1-2. Available Rack Mounting Accessories, change

Option 907	to read	Kit 5061-9690
Option 908	to read	Kit 5061-9678
Option 909	to read	Kit 5061-9684

Page 1-1, paragraph 1-15: delete at the end of the first sentence :
" if the output amplifier is being used".

On Page 1-5 (Table 1-2 Specifications), include the following information under the heading "HP-IB Capability":

Code	Interface Function
SH 1	Source Handshake Capability.
AH 1	Acceptor Handshake Capability.
T 6	Talker (basic talker, serial poll, unaddress to talk if addressed to listen).
L 4	Listener (basic listener, unaddress to listen if addressed to talk).
SR 1	Service Request Capability
RL 1	Remote/Local Capability (incl. Local Lockout to prevent interference with a running progr.)
PP 0	No Parallel Poll Capability.
DC 0	No Device Clear Capability.
DT 1	Device Trigger Capability (Trig, Burst modes).
C 0	No Controller Capability.

Page 1-5, change Storage temperature from +75°C to +65°C max.

Page 3-23, Programm EXPLANATION : directly below "(150)" insert "(160)" and change existing "(160)" to "(170)"

Page 3-26, 9825S Program : Line 1, change "f3" to "f3.0".....
 Line 14, change "Y" to "I"

On Page 1-3, Table 1-1. Recommended Test Equipment, change to read:

Digitizing (Sampling) Oscilloscope	HP 54121T with Accessories	> 10 GHz Bandwidth < 30ps Transition Time < 5% Flatness
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On Page 1-4 add the following NOTE:

NOTE: In Gate and Burst Mode the period and width of the first pulse may deviate from the subsequent pulses.
 In Gate Mode the Propagation delay between the first output pulse and the external trigger signal varies with the pulse period (PER).