HEWLETT PACKARD

50 Ohm Input Pod

Model 54002A

OPERATING NOTE/APRIL 1986

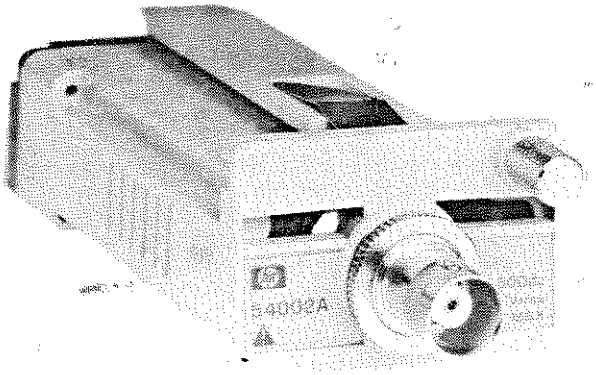

Figure 1. Hewlett-Packard 50 Ohm Pod

INTRODUCTION

1. The HP 54002A Input Pod provides a 50 ohm 1 GHz BNC input for the HP 54100A/D, 54110D Digitizing Oscilloscopes and the 54300A Probe Multiplexer.

WARNING

This pod was designed for use with HP Models 54100A/D, 54110D and the 54300A which have a common terminal at GROUND POTENTIAL (in accordance with OSHA requirements and the National Electric Code). Failure to ground the common terminal during certain applications, such as operating these instruments from an external battery, will expose the operator to an electrical shock hazard that could be lethal (depending on the electrical energy available).

CAUTION

Power must be removed from the HP 54100A/D, 54110D Oscilloscopes or the 54300A Probe Multiplexer when the 54002A Pod is removed or installed, as the instruments may be damaged.

Table 1. Specifications

Pod	Division Ratio	Max. Input Voltage	Input Resistance	Bandwidth	Transition Time
54002A used with the 54100A/D, 54110D or the 54300A	1:1	5V rms	50 ohms	DC to 1GHz	<=350ps (10% to 90%)

Operating Note Part Number 54002-90901
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For more information, call your local HP sales office listed in the telephone directory white pages. Ask for the Electronic Instruments Department. Or write to Hewlett-Packard: **U.S.A.** - P.O. Box 10301, Palo Alto, CA 94303-0890. **Europe** - P.O. Box 999, 1180 AZ Amstelveen, The Netherlands. **Canada** - 6877 Goreway Drive, Mississauga, L4V 1M8, Ontario. **Japan** - Yokogawa-Hewlett-Packard Ltd., 3-29-21, Takaido-Higashi, Suginami-ku, Tokyo 168. **Elsewhere** in the world, write to Hewlett-Packard Intercontinental, 3495 Deer Creek Road, Palo Alto, CA 94304.

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