

TELECOMMUNICATIONS TEST EQUIPMENT

Transmission Impairment Measuring Set (TIMS)

Models 4943A and 4944A



- Portable for field service tests
- Analog testing of voice/data channels
- Master-slave for remote end-to-end testing
- Automatic self check



4943A



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4944A



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4943A TIMS

Gives You a Permanent Record of Your Measurements

The analog output circuit allows you to display the measured signal on a CRT display or record it on an X-Y recorder or strip chart recorder. Built-in storage and internally generated graticule lines allow you to use non-storage oscilloscopes or uncalibrated CRT display.

MASTER-SLAVE operation allows remote end-to-end testing without adding an external controller. The Slave unit operates unattended, with measurements in both directions controlled and displayed by the Master unit. Adding the HP-IB option provides automatic testing.

4943A Specifications

For detailed specifications ask your local HP Sales Office for a 4943A TIMS Data Brochure.

General

Power: 100, 120, 220, 240 V AC +5% -10%, 48 to 66 Hz.

Size: 196 H x 338 W x 591 W mm D (7.7" x 13.3" x 23.3").

Weight: 12.2 kg (27 lb).

Options

010: HP-IB Interface	\$550.00
012: Nonlinear distortion replaces phase jitter	\$600.00
015: 18055A Transit Case	\$350.00
019: 10491B 19" Rack Mount	\$150.00
910: Extra set manuals	\$125.00

4943A Transmission Impairment Measuring Set \$9400.00

Measures level and frequency, message circuit noise (C-message and 3 KHz Flat), 1 level impulse noise, signal-to-noise ratio, envelope delay, phase jitter. Analog outputs with internal storage and internally generated graticules, two holding coils, MASTER-SLAVE feature, and portable mainframe. Low frequency phase jitter, either 4-20 Hz or 4-300 Hz, available on special order.

4944A TIMS

Measures All Parameters for C & D Conditioned Channels

The 4944A TIMS measures all parameters including nonlinear distortion, tariffed for C- and D-conditioned leased data lines. Non-linear distortion is measured using the four tone intermodulation distortion technique. This technique is licensed under Hekimian Laboratories, Inc. USA Patent No. 3862380. The 4944A TIMS computes the 2nd and 3rd order products and automatically corrects the readings for noise.

Applications for the 4944A TIMS include circuit routing, circuit troubleshooting and installation testing. The portable 4944A is designed for both field service use and test center use.

4944A Specifications

For detailed specifications ask your local HP Sales Office for a 4944A TIMS Data Brochure.

General

Power: 100, 120, 220, 240 V AC, +5% -10%, 48 to 66 Hz.

Size: 196 H x 338 W x 591 mm D (7.7" x 13.3" x 23.3").

Weight: 12.2 kg (27 lb).

Options

001: Deletes nonlinear distortion	\$800.00
010: HP-IB Interface	\$550.00
015: 18055A Transit Case	\$350.00
019: 10491B 19" Rack Mount	\$150.00
910: Extra set of manuals	\$125.00

4944A Transmission Impairment Measuring Set \$9400.00

Measures level and frequency, message circuit noise (C-message and 3 KHz Flat), signal-to-noise ratio, 1 level impulse noise, envelope delay, non-linear distortion, two holding coils, MASTER-SLAVE feature, and portable mainframe.