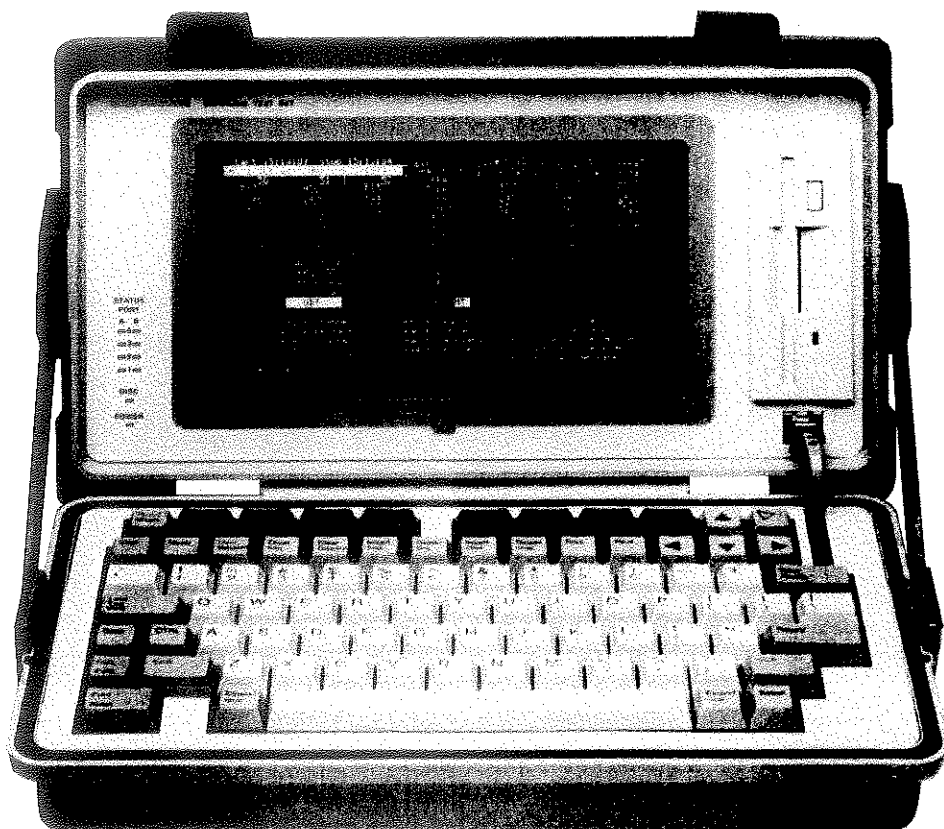


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HP 37900D

HP 37900D Signaling Test Set

The HP 37900D signaling test set makes it easy to investigate SS No.7 interactions. An applications-orientated user interface sets up the instrument to troubleshoot and resolve signaling problems, ensure network conformance and compatibility, and verify SS No.7 ISDN interactions.

Monitoring

The HP 37900D monitors up to four bidirectional signaling links simultaneously. When analyzing in-service performance, the HP 37900D provides dedicated real-time measurements that follow signaling interactions as they happen. It also uses dedicated triggers, filters, and traces to collect relevant test data. For example, you can trace the messages associated with a telephone call simply by specifying the called party number.

SS No.7 signaling link performance is measured with a message statistics software package based on CCITT Blue Book recommendation Q.791. In addition, the HP 37900D performs in-depth, post logging analysis and fully decodes signaling messages to the actual text descriptions in the standards.

Emulation

An optional emulate capability allows the HP 37900D to perform conformance, compatibility, and regression or acceptance tests. It performs tests individually or automatically on up to eight signaling links simultaneously.

Installation and Maintenance of HP 37900D

With its 4-link monitor and 8-link emulate capabilities, the HP 37900D signaling test set is the ideal tool for installing and maintaining mobile networks. The HP 37900D decodes all parts of the GSM, PCS, IS41 MAP, TTC standards for JDC, and NMT versions of the SS No.7 and ISDN protocols.

Applications Software

A software applications package for GSM traces message transactions for mobile-originated calls, location updates and hand-over procedures on the A-bis and A-interfaces. It also collects message statistics for monitoring GSM link performance. In addition, the HP 37900D decodes a wide range of fixed network variants of SS No.7 signaling, allowing interactions at the gateways between fixed and mobile networks to be monitored.

Conformance tests now available are CCITT Q.781, Q.782, Q.784, and Q.785. Czech variants of Q.784 and Q.785 are also available.

Signaling Hardware

- HP 37900D Signaling Test Set
- Opt 001 Monitor 4 Links
- Opt 002 Add Emulation
- HP 37955A Basic and Primary Rate ISDN
- HP 37957A SS No.7 Statistics Based on Q.791
- HP 37966A GSM Phase 1 and 2 Protocol Analysis
- HP 37958A X.25 Transport Protocols
- HP 37967A Monitor HP 8922G Protocol Port
- HP 37975A IS-41 MAP Analysis
- HP 37985A TTC SS No.7 Monitor and Emulate
- HP E4510A MPT Level 2 Conformance Tests
- HP 37915A 2.048 Mb/s Interface Card
- HP 37916A 1.544 Mb/s Interface Card
- HP 37918A V.35, Ds-0/DS-0A Interface Card
- HP 37919A ISDN Basic Rate Interface Card
- HP 37913A 10A RS-232C/490-422 Interface Cards

Price

- HP 37900D \$12,500
- Opt 001 \$2,500
- Opt 002 \$2,500
- HP 37955A \$1,500
- HP 37957A \$1,500
- HP 37966A \$1,500
- HP 37958A \$1,500
- HP 37967A \$1,500
- HP 37975A \$1,500
- HP 37985A \$1,500
- HP E4510A \$1,500
- HP 37915A \$1,500
- HP 37916A \$1,500
- HP 37918A \$1,500
- HP 37919A \$1,500
- HP 37913A \$1,500