1.1. Overview of the X.25 Analyzer

1.1.1. Physical Description

The X.25 Analyzer is a briefcase-sized unit measuring 4 X 13 X 17 inches; it weighs approximately 10 pounds. The following figures show the front and rear panels of the Analyzer and label the features of each.

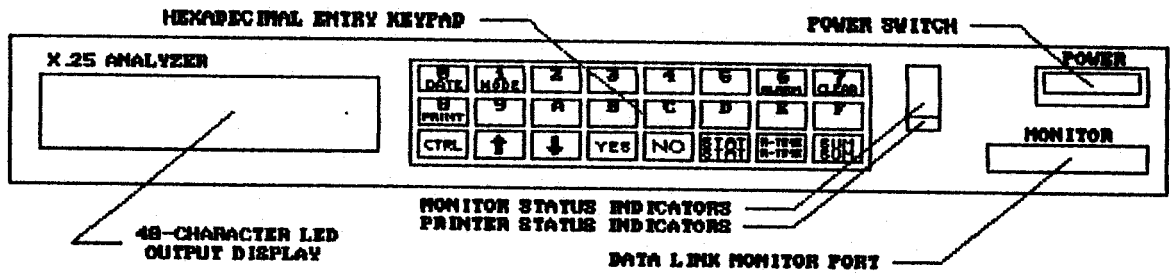

Figure 1-1. Front Panel

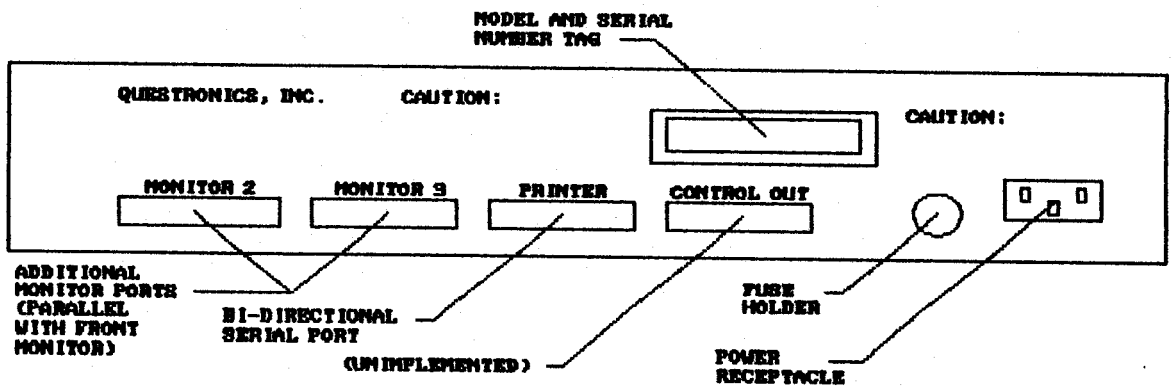

Figure 1-2. Rear Panel

The following page defines the features mentioned in the above diagrams.

FRONT PANEL

Hexadecimal Entry Keypad
This keypad is the primary operator input to the Anayzer. Commands, values, and answers to prompts may be entered through this keypad.

Power Switch
To turn the Analyzer on and off.

48-Character LED Output Display
This alphanumeric display provides prompts and other information from the Analyzer to the operator.

Monitor Status Indicators
These eight rectangular LEDs reflect the state of RS-232-C signals from the data link attached to the Analyzer.

Printer Status Indicators
These two rectangular LEDs reflect the state of the Analyzer serial output and the hardware "handshake" input to the Analyzer.

Data Link Monitor Port
This port is connected to the link to be monitored.

REAR PANEL

Model and Serial Number Tag
This tag holds information vital to proper warranty coverage and Technical Support by the factory and should not be removed under any circumstances.

Additional Monitor Ports
These ports are wired in parallel with the MONITOR port on the front panel and provide alternate connection points for the data link or pass-through of the data on the link.

Bi-directional Serial Port
As an output, this port provides the full spectrum of information available from the X.25 Analyzer. As an input, remote control of the Analyzer is available through this port.

Fuse Holder
The Analyzer uses a 250 Volt, 1.5 Amp fuse that may be inspected and/or replaced here.

Power Receptacle
This receptacle mates with the power cord supplied with the Analyzer.

1.1.2. Functional Description

The X.25 Analyzer monitors X.25 Network traffic over a single link. Performance and utilization information is provided at the Link Level, the Network Level, and the User Level.

Data is compiled into management reports that allow selective focus on various performance and utilization areas; Exception reports announce "alarm" type conditions.

1.1.3. Features

Functionality is enhanced by several features:

The Analyzer may be used on a benchtop or mounted in an equipment rack.

Multiple data link ports provide data "pass-through."

Reports may be scheduled for automatic delivery at periodic and specific times.

A built-in audible alarm may be selectively enabled to announce various events.

Exception reports may be selectively enabled or disabled.

Programmed setups may be retained as defaults if power is removed or interrupted.

The unit may be remote-controlled through a serial I/O port.

Status indicators provide traffic indication for the monitored link.