

## 1.5 MAINTENANCE

The only replaceable parts on the Model 546 are the line fuse and the external cords. The LED indicators and displays are soldered into the unit and are not field replaceable.

If the "U" Monitor/Analyzer should become suspect, the unit may be checked for proper operation by unplugging and replugging the power cord. When powered up, the Model 546 will perform a SELF TEST. If this procedure does not operate successfully, contact the factory Customer Service department at 540-375-0500.

### CALIBRATION

Calibration is not required for the "U" Monitor/Analyzer, due to the Digital nature of its design, and due to the synchronous nature of the derived timing from DDS networks. If proper operation of the Model 546 is in question, the SELF TEST procedure mentioned above may be performed

## 1.6 SPECIFICATIONS

### CONNECTORS

#### D-Channel Monitor Connector

DB25-pin, female connector, synchronous signal of raw channel data with clock speed of 16KHz:

TX Clock pin 15  
RX Clock pin 17  
Ground pin 7  
CO/NT data pin 3  
CPE/LT data pin 2

Active in the RS-232 Monitor mode only.

#### Overhead Monitor Connector

DB25-pin, female connector, RS-232 asynchronous signal, 9600 Baud, 8 bit, No parity, 1 stop bit. Looks like DTE, requires null modem cable to connect to PC or Printer.

#### S/T Connector

Modular, female 8-pin jack, ANSI T.602 S/T Bus signal format.

#### CO/LT (Central Office direction) Connector

U-Interface, modular, female 8-pin jack, signal on pins 4 and 5 (other pins cross connect to pass power as configured on line), line coding format: 2B1Q.

#### CPE/NT (Premise direction) Connector

U-Interface, modular, female 8-pin jack, signal on pins 4 and 5 (other pins cross connect to pass power as configured on line), line coding format: 2B1Q.

**U -Interface Connector**

Dual mini-bantam jack, cross connected to both CO and CPE directions, U-interface signals only.

**B-Channel Connector**

DB25-pin, female connector 64Kbps synchronous signal of raw B1 or B2 data. Active in the RS-232 Monitor mode only.

TX Clock pin 15

RX Clock pin 17

Ground pin 7

CO/NT data pin 3

CPE/LT data pin 2

**Power Plug**

Input power from AC Adapter. (TPI 546-1) [TPI 851570]

**PHYSICAL****U INTERFACE**

2B1Q (Standard)

AT&T AMI (Optional)

**POWER**

110V AC Wall Outlet Power Supply With Cord  
(TPI 546-1) [TPI 851570]

**WEIGHT**

4 pounds

**DIMENSIONS**

10½" deep, 10" wide, 3½" long

**SECTION II****OPERATION**