

## WT-1050 IMPEDANCE CONVERTER FOR WT-1035 WORKSTATION MONITOR

### I. Description

The WT-1050 converter system for the WT-1035 Work Station Monitor allows the monitor to be used with standard single wire wrist straps. The WT-1050 uses the impedance principal to monitor personnel. Impedance monitoring has the advantage of working by detecting the ability of a person to actually hold a charge.

The refined WT-1050 impedance system contains two converters/wrist strap grounding blocks with banana jacks. Each converter also includes a wrist strap test function (see figure 1).

### II. Contents

2 Converter wrist strap grounding blocks

### III. Set-up (See figure 2 on page 2)

A. Fasten the converters in a convenient location on the underside of the workbench. Plug the light colored from the convertor into the light colored phone jack on the back of the WT-1035 monitor and place the black cord into the black phone jack.

B. Match the convertor cord with similar color mat connection cord on the monitor. Light colored cords are for Operator 1 (upper bank of LEDs on WT-1035) and black cords are for Operator 2 (lower LEDs).

### IV. Wrist strap test

We recommend each wrist strap be tested daily before use.

A. Fasten cord to band and place elastic band on the metal clip on bottom of converter. Inside of band must make contact with the metal of the clip.

B. Insert banana plug of wrist cord into monitored jack of the WT-1050 Converter. The alarm will signal at this point. Push the "W. S. Test" button on the right side of the converter. If the wrist strap is working properly the alarm will stop and the appropriate green LED marked "SAFE" on the WT-1035 will have a steady light.

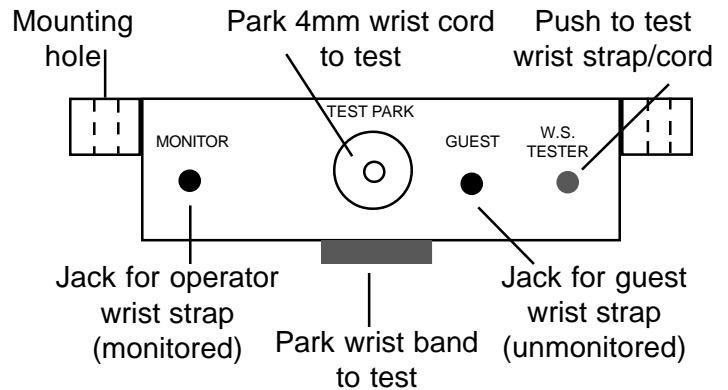


Figure 1: Front panel of WT-1050 Converter

Note: The WT-1035 can be used with single or dual wire wrist straps based on adapter/convertor chosen. LED read-out will vary for system in use. When used with WT-1050 converter, failure of the wrist strap on either upper or lower limits will result in an audible alarm and the red LED marked "HI" to light up.

C. If the alarm continues, detach wrist band from cord, snap cord onto the center snap marked "TEST PARK" and repeat the test. This will indicate whether the failure is in the band or the cord. Note this unit will only accept 4mm snaps for the wrist cord test.

### V. Personnel monitoring

A. Put the wrist strap on and insert the banana plug into the monitored (left) jack of the converter.

B. If the alarm sounds make sure wrist strap is not broken (Step IV "Wrist strap test"). If wrist strap is not broken but alarm state exists, the monitor requires adjustment. Insert a small phillips screwdriver into the screw on back of the monitor. Turn screw counterclockwise just until alarm stops. Verify setting by removing wrist strap from wrist. Alarm should sound.

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**Figure 2: Layout for WT-1035 Low Voltage Work Station Monitor with WT-1050 Converters**

