

720

Static Bar Checker

The pocket sized 720 is a quick and accurate method of checking that AC Static Eliminator Bars are working.

It can be used with shockless or "hot" equipment.

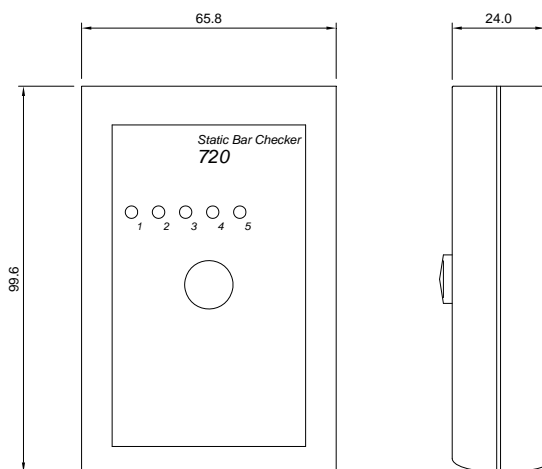


Performance

- The 720 works by measuring the electric charge induced onto the internal sensor by the emitter pins of the static eliminator. The AC signal is rectified and averaged by an op-amp and resistors. For practical purposes, only the positive half of the signal is used.
- An integrated circuit drives the LED display, according to the power of the signal.

Method of Operation

- The operator should press and hold the white button, and approach the static eliminator bar. If the bar is working, the LED display will be activated by the voltage of the signal. The strength of the electric field from the Static Eliminator will be shown on the LED scale. Take the reading at the same distance each time - the 720 may touch the emitter pins if this is easier.
- If there is a deterioration in performance it may signal that the bar needs cleaning or that there is a fault in the transformer. If there is no signal there is either a short in the system or the transformer is defective. Also check the battery in the 720.



Battery: PP3, 9V.
The current is 16mA when an LED is illuminated, giving 34 hours of continuous operation or about 10,000 single tests.

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