

Salient Characteristics

Fluke Electrical Safety Analyzer ESA620 (Brand Name or Equal)

1. General

The Electrical Safety Analyzer is a diagnostic tool used by Biomedical Engineers to assess medical equipment to insure their proper safety and accuracy.

2. Warranty Requirements

- a. Manufacturer must offer a 2-year warranty that product is free from defects in materials and workmanship. All defects will be replaced or repaired by the manufacture at no cost to the buyer.

3. Distinctive Features

- a. The ESA shall perform the following tests:
 - Three Test Loads: Mains, Accessible, and Point-to-Point
 - Two Test Currents: Earth Resistance and Point-to-Point
 - Four Insulation Resistance Tests:
 - Mains-PE
 - AP-PE
 - Mains-NE (non-earthed accessible)
 - AP-NE (non-earthed conductive part)
 - Leakage Tests:
 - earth (ground wire)
 - chassis (enclosure)
 - patient (lead to ground)
 - patient auxiliary (lead to lead)
 - mains on applied (lead isolation)
 - mains on applied part (lead isolation)
 - direct equipment
 - direct applied part
 - alternative equipment
 - alternative applied part
 - accessible
 - point to point
 - ECG Performance Waveforms with a +/- 2% accuracy
- b. Includes 20A receptacle
- c. Includes DSP (digital signal processing) filters
- d. Complies with the following industry standards
 - IEC60601:2005
 - EN62353
 - VDE 751
 - ANSI/AAMI ESI: 1993
 - NFPA-99
 - AN/NZS 3551
 - IEC61010