Multi-mode and Common

The 3930 is a high voltage scanner that allows high voltage inputs to be output from any channel. A single unit is equipped with 8 channels (using single mode), and up to four units can be connected to give a total of 32 channels. In addition, the 3930 can be used in combination with the AUTOMATIC INSULATION/WITHSTANDING HiTESTER 3153, displaying its capabilities as an unattended automatic testing device for multiple point insulation and AC/DC voltage endurance testing.

- **Emphasis on Safety**
  The 3930 features isolated high voltage input and output, as well as insulated control signal lines and an insulated power cord. Further, when multiple units are connected, the 3930 can detect wrongly set (duplicated) IDs and stop all output.

The 3930 has two operation modes, single mode and multi-mode. The single mode has a common channel with eight high channels, while the multi-mode has four high and four low channels, and the 3930 can scan any point on these channels.
Control the 3930 using a multi-purpose sequencer

In addition to its control using the 3153’s program function, the 3930 is a multi-purpose high voltage scanner that can be controlled using general logic and a sequencer. A maximum of four units can be connected at any one time.

When using the 3930 in combination with the 3153, a separate power source is not necessary, since power is supplied from the control signal input connector.

### Model : HIGH VOLTAGE SCANNER 3930

#### Standard accessories
- Control input connector connection cable ×1, H.V. Test lead 9615-01 (red) ×8, H.V. Test lead (black) ×1, Grounding cable ×1, Instruction manual ×1

#### Additional accessories
- The 9615-01 is bundled (4.92 ft) length

#### Specifications

- **Control method**: General-purpose control
- **Relay area**: Multi- and single modes
  - Maximum open and closed voltage: 5000 V DC, 5000 V AC
  - Maximum open and closed current: 1.0 A (open and closed capacity: 50 W)
- **Control signal**: ID authentication signal (anticipated overvoltage category: 330 V)
  - Signal level: The signal level voltage (Viso_v) is input externally, and the voltage (Viso_v) must be within the range of 5 to 24 V
  - Input signal level: Open collector output
  - Output signal level: HI: VISO_Y+ 1.0 V max., VISO_Y - 1.5 V min.
  - Output voltage level: LO: VISO_COM + 0.5 V max., VISO_COM - 0.5 V min.

**General specifications**

- **Degree of Accuracy**: Standards for current leakage when applying voltage
  - Single mode, no output cable, and all output relays turned on for both AC and DC.
  - When applying DC (1000 V): 0.1 μA or less/unit
  - When applying AC (5 kV, 50/60 Hz only): 0.4 mA or less/unit
  - (Differs depending on the status of the connection cable)
- **Temperature range**: 0°C to 40°C, 80% rh or less (no condensation)
- **Storage temperature range**: -10°C to 50°C, 90% rh or less (no condensation)
- **Operation environment**: Indoors, altitude of 2000 m or less
- **Input signal level**: High voltage terminal - between the chassis: AC 10 kV, 10 mA, 1 min
- **Output signal level**: Lo: VISO_COM - 0.5 V min.
- **Control signal**: General-purpose control
- **Operation modes**: Multi-mode, 4 high channels and 4 low channels
- **Number of channels**: Multi-mode, 4 high channels and 4 low channels
- **Rated voltage used**: AC 5.5 kV/DC 5 kV
- **Operation display**: The lamp lights when power is supplied to the unit
- **Contact point maximum capacity**: 50 W
- **Contact point maximum capacity**: 500 mA or less, with 1 mA AC
- **Operation time**: 6 ms or less
- **Recovery time**: 6 ms or less
- **Degree of Accuracy**: Standards for current leakage when applying voltage
  - Single mode, no output cable, and all output relays turned on for both AC and DC.
  - When applying DC (1000 V): 0.1 μA or less/unit
  - When applying AC (5 kV, 50/60 Hz only): 0.4 mA or less/unit
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