

MECHELECTRIC miniVIP Appliance Diagnostic Tool



An easy to use diagnostic aid for electrical appliances and single phase electrical equipment. Simple 'Plug & Play' for any appliance with a standard UK plug (with adapter leads), and commonplace IEC style connectors (Direct connection to unit).

The miniVIP can be used hand-held, or with the optional neck strap can be used hands free.

The multi-line display on the face of the miniVIP provides simultaneous real-time indication of:

- Voltage (V)
- Power consumption (W)
- Current drawn (Amps)
- Power factor (pF)
- Power consumed over time period (kWh)

The displayed parameters can be directly compared to data provided on the appliance data label or manufacturers data sheets to diagnose faults or failures such as open circuits, blown fuses, over current, under current, low power factor etc.

OPTIONS

The miniVIP is available in 2 standard versions

- **Model MV10** Fitted with standard IEC C13 and C14 Mains Input and Output connectors. Supplied with C13 – UK 13Amp plug adapter lead and C14 to UK 13Amp trailing socket adapter lead. A set of spare/replacement fuses is included. Suitable for appliance / equipment tests up to **10 amps** (2.3kW) loads.



- **Model MV16** Fitted with standard IEC C19 and C20 Mains Input and Output connectors. Supplied with C19 – UK 13Amp plug adapter lead and C20 – UK 13Amp trailing socket adapter lead. A set of spare/replacement fuses is included. Suitable for appliance / equipment tests up to **13 amps** (3.0kW) loads. With 16 amp C-Form adapter leads available as an accessory, loads to 16 amps (3.7kW) can be tested.

miniVIP 10 and miniVIP 16 Instructions

Simple to operate

1. The miniVIP is supplied with a pack of fuses that fit into the front panel fuse holder; choose and fit an appropriately rated fuse (from the pack) that is just higher than the anticipated current that the appliance / equipment to be tested will draw (Refer to appliance data label or manufacturers data for guidance on choosing fuse rating).
2. Plug the appliance to be tested into the OUTPUT socket on the top of the miniVIP. Use adapter leads if necessary. If the appliance has an ON/OFF switch, turn it ON.
3. Connect the mains supply lead into the INPUT socket on the miniVIP, then plug the lead into a 13 amp mains socket. The display will now show values for the electrical parameters as above.
4. Press the GREEN (start) button and the appliance / equipment should now start / turn on.



CAUTION ! IF THE APPLIANCE / EQUIPMENT BEING TESTED IS LIKELY TO MOVE, ROTATE, HAS MOVING PARTS OR MAY BECOME HOT, TAKE PRECAUTIONS TO AVOID INJURY, BURNS OR SCALDS ETC.

Once the green button is pressed the display will now show the real time values of voltage, power consumption, current, power factor, and (cumulative) power consumption (which will increase whilst appliance is ON). The RED indicator lamp on the miniVIP will also be on.

Should the lamp not be on, this means that the appliance has a serious fault and has blown the front panel fuse, OR an incorrect selection of fuse made.

[USEFUL TIP! Take a photograph of the displayed test results for reference]

Pressing the RED (stop) button turns off the appliance connected to the Output socket.

Once testing is complete, switch off / unplug the miniVIP INPUT lead from the supply socket.

Specifications

Supply voltage: 217 – 250v ac / 1 phase / 50Hz

Maximum current: 10 Amps (Model MV10); 13 Amps (Model MV16) 16 Amps (Model MV16 C-form).

Enclosure dimensions: 125mm x 125mm x 75mm

Overall height over controls: 97mm

Weight: 600 grams (Excluding adapter leads and other optional extras).

miniVIP Accessories

Standard supply includes INPUT and OUTPUT adapter leads for use with UK 13 amp plug/socket systems, a boxed set of spare OUTPUT fuses, and a copy of User Instructions.

OPTIONAL ACCESSORIES

Neck strap for hands free operation. Useful for ladder, stepladder, confined space work.

16 Amp C-form adapter cables for use with MV16 model.

Set of Break-Out INPUT & OUTPUT cables to enable direct or in-line connection to fixed wiring appliances. (MV10 and MV16 versions).

Additional spare fuse kit.

Customised INPUT / OUTPUT connector systems. Please enquire.

Cased Kit Versions



The miniVIP MV10 or the miniVIP MV16 is also available as a full kit supplied in an aluminium carry case complete with:

- Spare fuses pack
- Fitted neck strap
- UK 13 amp adapter cables
- Break-out cable set

Case dimensions: 400mm x 260mm x 130mm

Cased weight: 2.7kg



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