

Leakage 3-Phase Adaptor

Operating Instructions

Safety



Caution, risk of danger. The operating instructions must be adhered to in order to avoid danger.



Do not use both the 20A and 32A connections at the same time, this may cause a measurement inaccuracy.



The Leakage 3-Phase Adaptor is only intended for use with the Seaward PAC3760 plus test instrument. Plugging the 3-Phase Adaptor into another test instrument may damage the adaptor, the test instrument and any equipment under test which may be connected to the adaptor.



The Insulation 3-Phase Adaptor is powered by batteries. **DISCONNECT ALL CONNECTIONS FROM THE ADAPTOR BEFORE OPENING – DANGER OF ELECTRIC SHOCK.**



Before connecting the Insulation 3-Phase Adaptor ensure that it is free from damage. If the Adaptor is damaged then **DO NOT USE** as it may be hazardous to the user.



The Leakage 3-Phase Adaptor must only be used on socket outlets that employ a switch or circuit and where the switch or circuit breaker is in close proximity to the socket and is easily accessible by the user.

Certificate of Conformity

This declaration is in conformity with the relevant clauses of the following standard:

IEC 61010-1:2001

Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements.

IEC 61326:2005

Electrical equipment for measurement, control and laboratory user-EMC Requirements

Performance: The instrument operates within specification when used under the conditions in the above standards EMC and Safety Standards.

The product identified above conforms to the requirements of Council Directive 89/336/EEC and 73/23 EEC.

Limited Warranty & Limitation of Liability

Emona Instruments guarantees The Insulation 3-Phase Adaptor to be free from defects in material and workmanship under normal use and service for a period of 1 year. The period of warranty will be effective at the day of delivery.

Instructions



The Leakage 3-Phase Adaptor is only intended for use with Seaward PAC 3760 Plus test instrument and the new PrimeTest Elite.



Before the Earth Continuity test is performed the PAC3760 plus performs a check to ensure that no voltage present on the Earth Continuity probe as this may damage the instrument during an Earth Continuity test. If the Earth Continuity probe is connected to a voltage during the Earth Continuity test then the PAC3760 plus cannot detect this voltage quick enough and damage to PAC3760 plus may occur. **DO NOT CONNECT THE EARTH CONTINUITY PROBE DURING AN ACTIVE TEST, CONNECT THE PROBE BEFORE THE 3-PHASE BUTTON IS PRESSED.** If a VOLTS ON PROBE error is displayed on the PAC3760 plus the test will be aborted, remove the voltage source before repeating the test.






PAC 3760 PLUS

1. Plug the Leakage 3-Phase Adaptor into the PAC3760 plus mains inlet socket.
2. Plug the equipment under test into the appropriate outlet socket on the Leakage 3-Phase adaptor.
3. Depending on the outlet socket used plug the matching plug into a 3-phase mains outlet.
4. Turn on the Leakage 3-Phase adaptor.
5. Connect the Earth Continuity probe to the PAC3760 plus and to a metal part of the enclosure of the instrument under test.
6. Press the 3-Phase button on the PAC3760 plus test instrument.
7. The PAC 3760 plus instrument will now perform an Earth Continuity test and display the test result.
8. The PAC3760 plus instrument will then perform a leakage test, at this point turn ON the equipment under test. The test will continue to run continuously.
9. To stop the test press and hold the 3-Phase button on the PAC3760 plus test instrument.
10. When the tests are complete the PAC3760 plus test instrument will display whether the test sequence is a pass or fail.



PrimeTest Elite

1. Select Auto Mode PAT  from the Home Screen to start.
2. Enter Asset ID, select Test Sequence from Menu or Type character "N" 3 Phase Leakage using PAC-TPL"
3. Plug the Leakage 3-Phase Adaptor lead into the PrimeTest Elite earth inlet socket (**red**).
4. Plug the equipment under test into the appropriate outlet socket (20A or 32A) on the PAC-TPL.
5. Depending on the outlet socket used, plug the matching plug into a 3-phase mains outlet (20A or 32A).
6. Turn ON the Leakage 3-Phase adaptor.
7. Connect the Earth Continuity probe to the PrimeTest Elite mains inlet socket (black) and to a metal part of the enclosure of the instrument under test.
8. Press F4  to accept and confirm the test settings on screen (Site, Location, ReTest period).
9. The PrimeTest Elite should display a Visual Test now, press "Pass All" (F4) to pass or select Fail items.
10. Once Visual passes, the PrimeTest Elite will now perform an Earth Continuity test and display the test result.
11. The PrimeTest Elite instrument will then perform a leakage test, at this point turn ON the equipment under test.
12. Please take extra Caution on moving parts; test will continue to run for 2-3 seconds.
13. When the tests are complete PrimeTest Elite tester will display whether the test is a pass or fail.
14. Enter Asset Details (Description, Make, Serial Number) and press Save button  to complete.
15. Press Print button (F4) if the printer is connected, to produce labelled tag for the equipment.

Replacing the Batteries



The Leakage 3-Phase Adaptor is powered by batteries. **DISCONNECT ALL CONNECTIONS FROM THE ADAPTOR BEFORE OPENING – DANGER OF ELECTRIC SHOCK.**

If the PAC3760 plus and PrimeTest Elite indicates that the Leakage 3-Phase adaptor is not connected when the 3-Phase button is pressed then the batteries will be low in the adaptor. To replace the batteries in the Leakage 3-Phase adaptor;

1. Disconnect all of the connections from the adaptor.
2. Remove the printed flat panel facia by loosening the 4 screw in the corners of the panel.
3. Replace the existing batteries with two new batteries. Ensure that the batteries are fitted the correct polarity.
4. Replace panel and tighten 4 screws in the corner of the panel.

Specification

Earth Continuity	see Test Instrument (PAC or PT-ELITE) specification
Leakage	± (5% + 2 digits)
Environmental rating	IP Rating IP40
Operating temperature range	0°C to 40°C, without moisture condensation.
Storage temperature range	-25° to 65°.
Maximum barometric elevation for making measurements is	2000M

Cleaning

Clean only with a dry cloth; do not use solvents.

Before use, ensure unit is clean and dry; visually inspect all leads, connectors, and case. Any damage or wear must be rectified to preserve user safety.

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