



3 - PHASE PHANTOM LOAD 473 DATASHEET



REDPHASE INSTRUMENTS

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1.0. APPLICATIONS

1.1. Where it is used

The Model 473 is a modestly priced, lightweight field portable instrument designed to be used on installed equipment such as meters and other measurement devices prior to commissioning. The Model 473 can also be used for many routine workshop and field tests where a load is required to test for correct installation and phasing of equipment.

1.2. Typical Loads

The Model 473 comes with a cable accessory for connecting to the bottom of a 3 phase, 4 wire meter.

Typically the phantom load can supply from 7.5 to 8 Amps of load current per phase with the cable provided.

1.3. Load range

With shorter and heavier gauge test leads the 473 is capable of providing up to 20 Amps of load current per phase.

2.0. HARDWARE FEATURES

2.1. Power Source

The Model 473 has three (3) individual load cells for use on a typical 3 x 240V nominal supply.

2.2. Supply Protection

The supply voltage is protected by a 4 Amp rated circuit breaker.

There is also a fan on the front panel which circulates air through the 473 to keep the three load cells cool.

2.3. Interface

The 473 has 3 neon lamps on the front panel which indicate which phase or phases are under load.

3.0. MODEL 473 PACKAGE

3.1. 473 Case

The Model 473 uses the well known "Pelican" brand injection moulded plastic case. The case is robust and hard wearing. There is an internal aluminium chassis and an aluminium front panel with a reverse screened "Lexan" polycarbonate finish.

3.2. Case Sizes (L x W x H)

473 case: 410mm X 330mm x 180mm.

3.3. Weight

473: ~7kgs

Test leads: ~3kgs



3.4. Cable Accessory

Cable / Test leads are 4 meters long with each phase carrying a doubled over 30/0.25 cable.

Cable colours are Red, White, Blue and Black.

The cables on the meter side are terminated by Ferrule Tips and the cables on the 473 end are terminated with a 24-way Amp Plug as shown below..

