SAFETY CONSIDERATIONS

This device is marked with the International Caution, risk of danger symbol. It is important to read this manual before installing or commissioning this device as it contains important information relating to Safety and EMC (Electromagnetic Compatibility).

Unpacking & Inspection

Unpack the instrument and inspect for obvious shipping damage. Do not attempt to operate the unit if damage is found.

AC POWER WIRING

This instrument is a DIN rail mount device. Installation of this instrument should be done by Qualified personnel. In order to ensure safe operation, the following instructions should be followed.

1. Unpack and verify that all equipment has been received. If there are any questions about the shipment, contact the service department nearest you.

2. Cut or punch a hole in the panel where you want the meter to go. Remove the lens by inserting a paper clip or small flat screwdriver into the rounded corner of the lens and lift out.

3. Remove the two mounting screws from both sides of the display. Pry both sides of the mounting clamp out and down to remove it from the case.

4. Insert the meter into the panel cutout and reinstall the mounting clamp from the rear.

5. Reinstall the mounting screws to secure the meter into the panel. Do not overtighten the screws.

6. Pop the lens back in, making sure the dull side of the lens faces towards you.

REAR OF CASE

WIRING

AC POWER WIRING

Connect the ac power main connections as shown below.

The meter is factory set to the power specified by the customer at the time of ordering. The voltage is printed on the label under Input power.

To connect power to the unit, attach wires, as shown from the ~AC power cord to the orange 3-pin female connector that is supplied with the meter. Plug the female connector into the orange P1 (male) connector at the rear of the meter.

DC POWER WIRING

The meter can be configured at the factory to operate on DC non-isolated power. The DC voltage option is specified at the time of ordering. An AC power meter cannot be converted to a DC powered meter or vice versa.

To connect power to the unit, attach wires, as shown, to the orange 3-pin female connector that is supplied with the meter. Plug the female connector into the orange P1 (male) connector at the rear of the meter.

SIGNAL INPUT WIRING 205-E

1. Apply the minimum current or voltage to the signal input.
2. Adjust the zero pot for the minimum display reading ±1 count.
3. Reinstall the lens.

SIGNAL INPUT WIRING 205-P & 205-A

1. Apply a voltage equivalent to 95% of the range selected to the signal input.
2. Adjust the span pot for a reading of 1900 ±1 count.
3. Reinstall the lens.

CALIBRATION / 205-E & 205-A

1. Apply the minimum current or voltage to the signal input.
2. Adjust the zero pot for the minimum display reading ±1 count.
3. Adjust the span pot for the maximum display reading ±1 count.
4. Repeat steps 1 and 2 until ±1 count desired reading. Reinstall the lens.

CALIBRATION / 205-A

1. Apply a voltage equivalent to 95% of the range selected to the signal input.
2. Adjust the span pot for a reading of 1900 ±1 count.
3. Reinstall the lens.
SPECIFICATIONS (continued)

REQUIRED EXTERNAL FUSE PROTECTION

Installation Category

- 100/115Vac 40mA, ULSlow-Blow or IEC 127-2/111 Time-lag
- 230Vac 20mA, ULSlow-Blow or IEC 127-2/111 Time-lag

ELECTRICAL SAFETY CLASSIFICATION

- Case type
  - D3/4 DIN (2472-100)
- Panel cutout
  - 22.6 x 68 mm (0.87 x 2.68 in)
- Panel Thickness
  - 0.8 mm (0.031 in)

MECHANICAL

- Weight
  - 200 g (7 oz)
- Case material
  - 94V-1 UL-rated thermoplastic

MODEL 205-P, 205-E and 205-A

3/12 DIGIT MINI-SIZE PROCESS METER (205-P)

PROCESS WITH ISOLATED EXCITATION (205-E)

DC VOLTAGE INPUT (205-A)

For immediate technical or application assistance please call:

- Newport Electronics, Inc.
  - TEL: (714) 540-4914 • FAX: (203) 968-7311
  - Toll Free: 1-800-629-7710
  - www.newport.com
  - e-mail: sales@newport.com

For Daimlerstrasse 26 • D-75392 Deckenpfronn • Germany

TEL: 49 7056 9398-0 • FAX: 49 7056 9398-29

Toll Free: 0800-466 342 • www.newport.fr • e-mail: sales@newport.fr

En Español: 001 (203) 359-7803

FAX: 001 (203) 359-7807

Daimlerstrasse 26 • D-75392 Deckenpfronn • Germany

TEL: 49 7056 9398-0 • FAX: 49 7056 9398-29

Toll Free: 0800 / 6397678 • www.newport.de • e-mail: sales@newport.de

FAX: +420 59 6311114

Toll Free: 0800-1-66342 • www.newport.cz • e-mail: info@newport.cz

TEL: +420 59 6311899 • FAX: +420 59 6311114

Newport Electronics spol s.r.o.

Frystatska 184, 733 01 Karviná • Czech Republic

TEL: +420 59 6311899 • FAX: +420 59 6311114

Toll Free: 0800 0993344 • www.newport.nl • e-mail: info@newport.nl

TEL: (714) 540-4914 • FAX: (203) 968-7311

GS1 Germany

NEWPORT Electronics, Inc.

2229 South Yale Street • Santa Ana, CA • 92704 • U.S.A.

TEL: (714) 540-4914 • FAX: (203) 968-7311

Toll Free: 1-800-629-7710

www.newport.com

E-mail: sales@newport.com

NEWPORT Electronics Ltd.

One Design Drive • Rose Bank Technology Centre

Northwood, Warrington • Cheshire • WA3 3QG

TEL: 01925 856666 • FAX: 01925 856668

www.newportuk.co.uk

E-mail: sales@newportuk.com

Newport Electronics, Ltd.

970 Barge Lane • Charlotte • NC 28217 • U.S.A.

TEL: (704) 335-3201 • FAX: (704) 853-6886

www.newport.com

E-mail: sales@newport.com

Newport Electronics, Inc.

Toll Free: 0800 559 6311 • www.newport.com • e-mail: sales@newport.com

FAX: 001 (203) 359-7807

Toll Free: 0800 / 6397678 • www.newport.de • e-mail: sales@newport.de

TEL: 49 7056 9398-0 • FAX: 49 7056 9398-29

Newport Electronics B.V.

Postbus 8034 • 1181 LA Amstelveen • The Netherlands

TEL: +31 20 3472471 • FAX: +31 20 3466443

Toll Free: 0800 304334 • www.newport.nl • e-mail: sales@newport.nl

Newport Electronics spol s.r.o.

Frystatska 184, 733 01 Karviná • Czech Republic

TEL: +420 59 6311899 • FAX: +420 59 6311114

Toll Free: 0800 0993344 • www.newport.nl • e-mail: info@newport.nl

Frystatska 184, 733 01 Karviná • Czech Republic

TEL: +420 59 6311899 • FAX: +420 59 6311114

Toll Free: 0800-0993344 • www.newport.nl • e-mail: info@newport.nl

Newport Electronics B.V.

Postbus 8034 • 1181 LA Amstelveen • The Netherlands

TEL: +31 20 3472471 • FAX: +31 20 3466443

Toll Free: 0800 304334 • www.newport.nl • e-mail: sales@newport.nl

Newport Electronics, Ltd.

One Design Drive • Rose Bank Technology Centre

Northwood, Warrington • Cheshire • WA3 3QG

TEL: 01925 856666 • FAX: 01925 856668

www.newport.com

E-mail: sales@newport.com

Newport Electronics, Inc.

2229 South Yale Street • Santa Ana, CA • 92704 • U.S.A.

TEL: (714) 540-4914 • FAX: (203) 968-7311

Toll Free: 1-800-629-7710

www.newport.com

E-mail: sales@newport.com

NEWPORT Electronics, Inc.

2229 South Yale Street • Santa Ana, CA • 92704 • U.S.A.

TEL: (714) 540-4914 • FAX: (203) 968-7311

Toll Free: 1-800-629-7710

www.newport.com

E-mail: sales@newport.com

NEWPORT Electronics, Inc.

2229 South Yale Street • Santa Ana, CA • 92704 • U.S.A.

TEL: (714) 540-4914 • FAX: (203) 968-7311

Toll Free: 1-800-629-7710

www.newport.com

E-mail: sales@newport.com