This Quick Start Reference provides information on setting up your instrument for basic operation. The latest complete Communication and Operational Manual as well as free Software and ActiveX Controls are available at www.newportUS.com or on the CD-ROM enclosed with your shipment.

SAFETY CONSIDERATION

This device is marked with the international Caution symbol. The instrument is protected in accordance with EN 61010-1:2001, electrical safety requirements for electrical equipment for measurement, control and laboratory. Remember that the unit has no power-on switch. Building installation should include a switch or circuit-breaker that must be compliant to IEC 947-4 and 947-3.

SAFETY:

• Do not exceed voltage rating on the label located on the side of the instrument housing.
• Always disconnect power before changing signal and power connections.
• Do not expose this instrument to rain or moisture.
• Do not operate this instrument in flammable or explosive atmospheres.
• Do not expose this instrument to rain or moisture.

EMC:

• Whenever EMC is an issue, always use shielded cables.
• Never run signal and power wires in the same conduit.
• Use shielded signal wires with twisted-pair cables.
• Install Ferrite Bead(s) on signal wire close to the instrument if EMC problems persist.

MOUNTING

1. TILT AND HOSE TO RAIL
2. PUSH TO SNAP ON

To install unit onto DIN Rail:
1) Tilt unit, position mounting slot onto DIN Rail, as shown.
2) Push unit towards DIN Rail and it will snap into place.

To remove unit from DIN Rail:
1) Insert flat screw-driver into tab and push downwards.
2) Unit will detach from DIN Rail.

If instrument has the communication option, the internal excitation is not available. Use external excitation to power your transducer.

WIRING

Wire the instrument according to the figure shown below.

Warning: Do not connect ac power to your device until you have completed all input and output connections. This device must only be installed by a specially trained electrician with corresponding qualifications. Failure to follow all instructions and warnings may result in injury!

To connect the main power connections as shown in the figure below.

Output 1 and 2 are for AL Alarm Option only.

CONNECTING TO THE COMMUNICATION PORT

To use the optional Remote Programmer Display (RDP), you may also configure your device through the Networking or Communication option (<C24, <C4E1 or -E1>.

CONFIGURATION

The following steps for configuring your device are explained by using the optional Remote Programmer Display (RDP), you may also configure your device through the Networking or Communication option (<C24, <C4E1 or -E1>.

Button Functions in Configuration Mode

• To enter the Menu, the user must first press button.

• Use this button to advance/navigate to the next menu item. The user can navigate through all the top level menus by pressing key.

• While a parameter is being modified, press to escape without saving the parameter.

• In the Run Mode pressing causes the display to flash the PEAK or GROSS value – press again to return to the Run Mode.

• Press the button to store a submenu selection or after a Top Level Menu item.

• Press this button twice to reset the controller to the Run Mode.

• When a numerical value is flashing (except setpoint value) press to scroll digits from left to right allowing the user to select the desired digit to modify.

• When a setpoint value is displayed press to decrease value of a setpoint that is currently being modified.

• In the Run Mode pressing causes the display to flash TARE value to tare your reading (zeroing).

• In the Run Mode pressing causes the display to flash TARE value to tare your reading (zeroing).

• To reset flashing PEAK or GROSS press .

• In the Run Mode, press twice to enable Standby Mode with flashing .

Dimensions

Connect the main power connections as shown in the figure below.