*IQ plus® 510 Digital Weight Indicator*

# Operator Card

**Warning** *Do not open the indicator enclosure! Refer all repairs and modifications to your distributor or service technician.*

## Front Panel Display and Keypad

The IQ plus 510 display is divided into three areas:

- The primary display consists of seven large, 14-segment digits used to display weight data.
- A two-digit units annunciator shows the units associated with the displayed value: lb=pounds, kg=kilograms, oz=ounces, T=short tons, t=metric tons, LT=long tons, g=grams, GN=grains. When the units configured are troy pounds or troy ounces, the word **troy** is shown in the secondary display area in addition to the **lb** or **oz** annunciator. The units can also be set to NONE (no units information displayed).
- The 16-digit secondary display is used to display the weighing mode (Gross/Brutto or Net) and status indicators, including standstill ( ◣◢ ) and center of zero ( →0← ).

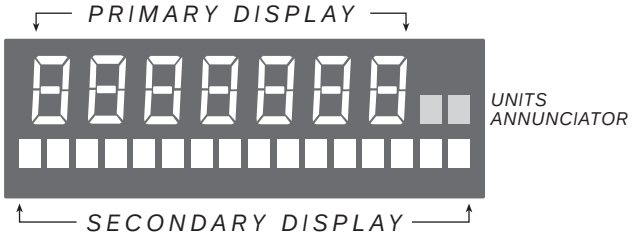
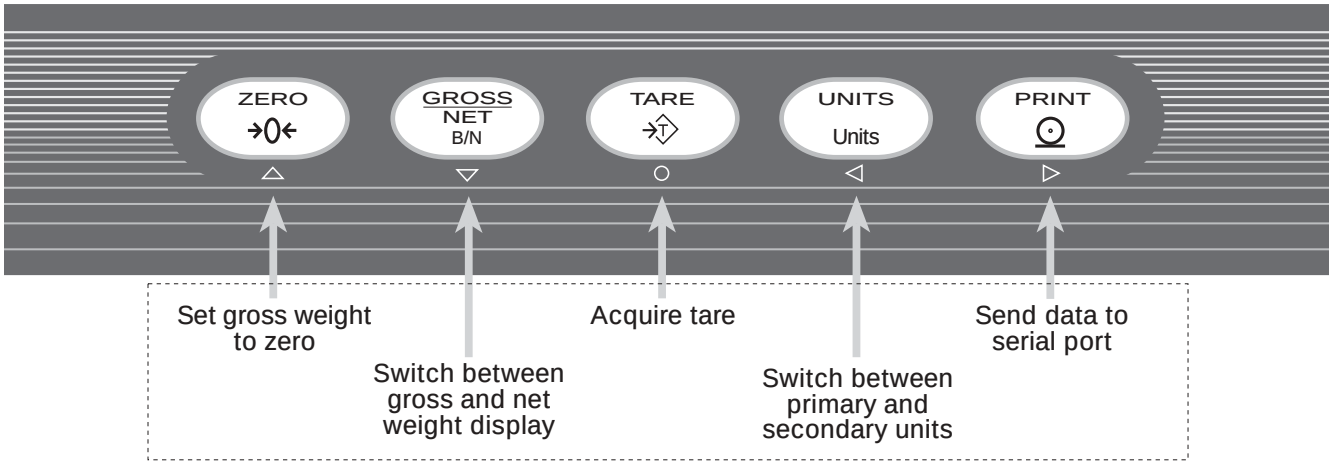



*Figure 1. IQ plus 510 Front Panel Display Areas*

The IQ plus 510 keypad and normal mode key functions are shown in the illustration below.

Basic indicator operations are described on the back of this card.




*NORMAL MODE KEY FUNCTIONS*



RICE LAKE WEIGHING SYSTEMS
Industrial Solutions on a Global Scale®
ISO 9001 REGISTERED

# Indicator Operations

Basic IQ plus 510 operations are summarized below:

## Toggle Gross/Net Mode

Press the GROSS/NET key to switch the display mode from gross to net, or from net to gross. If a tare value has been entered or acquired, the net value is the gross weight minus the tare. If no tare has been entered or acquired, the display remains in gross mode.

Gross mode is indicated by the word **Gross** (or **Brutto** in OIML mode) on the secondary display; net mode is indicated by the word **Net**.

## Toggle Units

Press the UNITS key to switch between primary and secondary units. The units identifier is shown to the right of the primary display. Troy ounces and troy pounds are indicated by the word **troy** on the secondary display.

## Zero Scale

1. In gross mode, remove all weight from the scale and wait for the standstill annunciator ( ◣◢ ).
2. Press the ZERO key. The center of zero (→0←) annunciator lights to indicate the scale is zeroed.

## Acquire Tare

1. Place container on scale and wait for the standstill annunciator ( ◣◢ ).
2. Press the TARE key to acquire the tare weight of the container.
3. Display shifts to net weight and shows the word **Net** on the secondary display.

## Remove Stored Tare Value

1. Remove all weight from the scale and wait for the standstill annunciator ( ◣◢ ).
2. Press the TARE key (or, in OIML mode, the ZERO key). Display shifts to gross weight and shows the word **Gross** on the secondary display.

## Print Ticket

1. Wait for the standstill annunciator ( ◣◢ ).
2. Press the PRINT key to send data to the serial port.