

Operator Card



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

Front Panel Keypad

The 420HE LED annunciators, keypad, power key and normal mode key functions are shown in the illustration below. LED annunciators and basic indicator operations are described on this card.

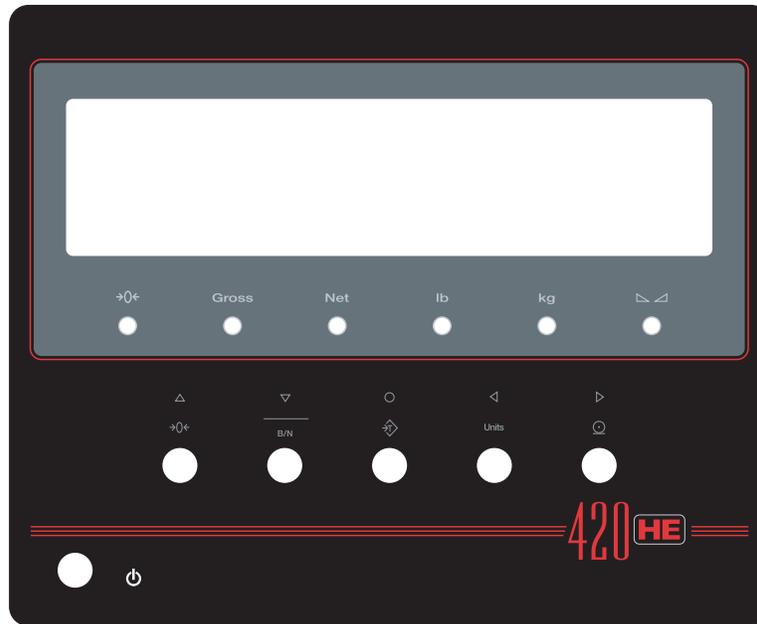


Figure 1. 420HE Front Panel, Showing LED Annunciators and Normal Mode Key Functions

LED Annunciators

The 420HE display uses a set of six LED annunciators to provide additional information about the value being displayed:

- *Gross* and *Net* annunciators are lit to show whether the displayed weight is a gross or net weight.
- Center of zero (→0←): Gross weight is within 0.25 graduations of zero. This annunciator lights when the scale is zeroed.
- Standstill (↘↙): Scale is at standstill or within the specified motion band. Some operations, including tare functions and printing, can only be done when the standstill symbol is shown.
- *lb* and *kg* annunciators indicate the units associated with the displayed value: *lb*=pounds and *kg*=kilograms.
- The displayed units can also be set to short tons (tn), metric tons (t), ounces (oz), grams (g), or NONE (no units information displayed). The *lb* and *kg* LEDs function as primary and secondary units annunciators for some combinations of primary and secondary units. If neither primary nor secondary units are *lb* or *kg* the *lb* annunciator is lit for primary units, *kg* for secondary units. Table 1 on page 2 shows which annunciators are used for all combinations of configured primary and secondary units.

Primary Unit	Secondary Unit						
	lb	kg	oz	g	tn	t	none
lb	lb / lb	lb / kg	lb	lb	lb / kg		
kg	kg / lb	kg / kg	kg	kg	lb / kg		
oz	oz / lb	oz / kg	oz / oz	oz / g	oz / kg		
g	g / lb	g / kg	g / oz	g / g	g / kg		
tn	lb / kg	lb / kg	lb / oz	lb / g	lb / lb	lb / kg	lb / kg
t					lb / kg	lb / lb	lb / kg
none					lb / kg	lb / kg	lb / lb

Table 1. Units Annunciators, Showing Primary / Secondary LEDs Used for All Configurations

Indicator Operations

Basic 420HE operations are summarized below:

1.1 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.

Gross mode is shown by the *Gross* annunciator; net mode is shown by the *Net* annunciator.

1.2 Toggle Units

Press the **UNITS** key to switch between primary and secondary units. The appropriate units LED under the display is lit.

1.3 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.

1.4 Acquire Tare

1. Place container on scale and wait for the standstill annunciator (▾ ▹).
2. Press **TARE** to acquire the tare weight of the container. The indicator switches to net mode.

1.5 Remove Stored Tare Value

1. Remove all weight from the scale and wait for the standstill annunciator (▾ ▹).
2. Press the **TARE** key. Gross annunciator is lit.

1.6 Front Panel Setup

Hold the **UNITS** key for three seconds to enter front panel setup mode. Use front panel setup to change setpoint and to set the time and date.

1.7 Set Date

In front panel setup mode use the arrow keys to toggle to *DATE*. Press **DOWN** or **ENTER** to enter the date in the format configured for the indicator.

1.8 Set Time

In front panel setup mode use the arrow keys to toggle to *TIME*. Press **DOWN** or **ENTER** to enter the time in 24-hour format, then press the **ENTER** key.

1.9 Display or Change Setpoint Value

To display a setpoint value, enter front panel setup mode. Press **DOWN** or **ENTER** to display *SETPT1*. The **LEFT/RIGHT** keys toggle through both setpoints if operator accessible. Press **DOWN** or **ENTER** to display *ENABLE*. Use the **LEFT/RIGHT** keys to toggle to *VALUE*. Press **DOWN** or **ENTER** to view the value. See Figure 2.

NOTE: Setpoint Value, Band Value and Hysteresis can be accessible from the front panel in the weigh mode.

To change the setpoint value, use the **UP/DOWN** keys to increment/decrement the decimal value of the flashing digit. Press **ENTER** to move to the decimal point entry. **LEFT/RIGHT** keys adjust the decimal point placement. Press the **ENTER** key to accept the displayed value and return to the next value or setpoint number prompt. Press the **UP** key to exit. See Figure 2.

1.10 Turn Setpoint On or Off

To turn a setpoint on or off at the front panel, enter front panel setup mode. Press **DOWN** or **ENTER** and *SETPNT* is displayed. Press **DOWN** or **ENTER** again to display *SETPT1*. The **LEFT/RIGHT** keys toggle through each setpoint that is operator accessible. Press **DOWN** or **ENTER** and *ENABLE* is displayed. Press **RIGHT** or **LEFT** to turn the setpoint *ON* or *OFF*. Press the **UP** key to exit.

1.11 Print Ticket

1. Wait for standstill annunciator (▲ ▽).
2. Press the **PRINT** key to send data to the serial port.

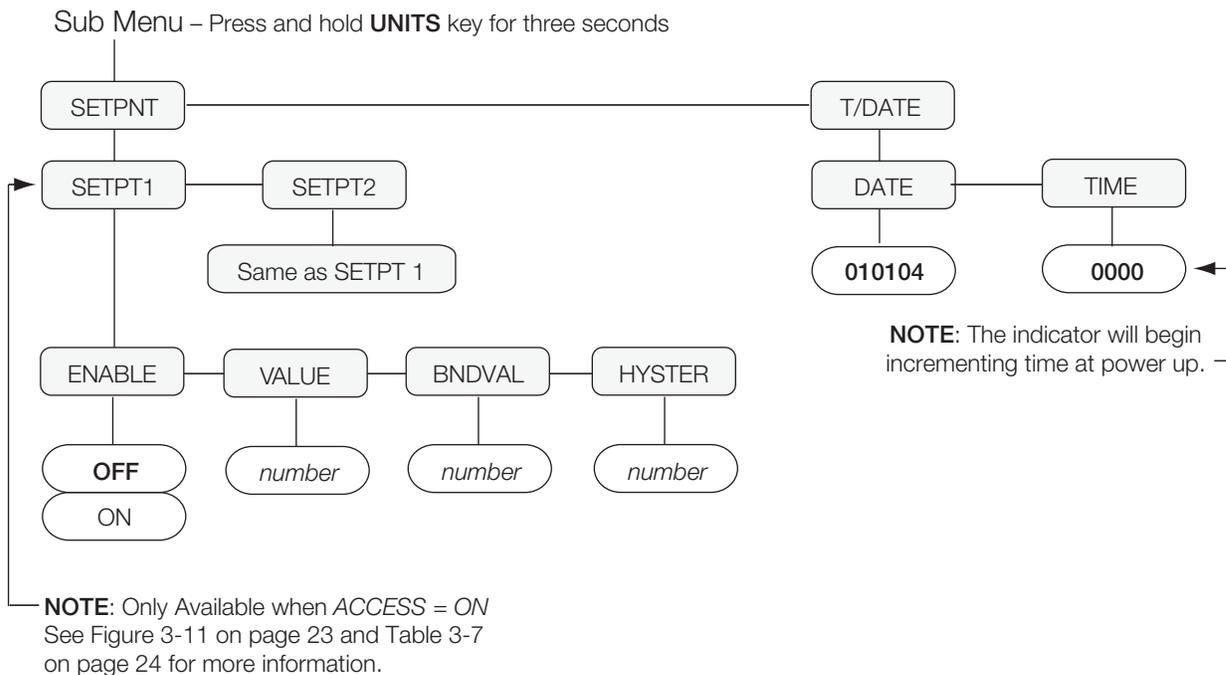


Figure 2. Front Panel Setpoint Setup