INCON Tank Sentinel

Quick Reference Guide

INTELLIGENT CONTROLS

SYSTEM OKAY	TANK OKAY	SENSOR OKAY	LINE OKAY

M1 LEFT	M2 RIGHT	M3	M4 ←

Keypad:

A N PRODUCT 1	B O GROSS 2	C P LEVEL 3	CANCEL
D Q TANK 4	E R ULLAGE 5	F S WATER 6	G T UP +/−
H U MENU 7	I V ALARM 8	J W REPORT 9	K X DOWN SPACE
ACK SHIFT	L Y TEST 0	M Z CHECK .	ENTER

TO DISPLAY GROSS VOLUME

Press 👉 the GROSS key. Up to 4 tanks are displayed

[B O GROSS 2]

...press DOWN for other tanks

[K X DOWN SPACE]

also see PRODUCT and TANK

TO DISPLAY PRODUCT LEVEL

Press 👉 the LEVEL key. Up to 4 tanks are displayed

[C P LEVEL 3]

...press DOWN for other tanks

[K X DOWN SPACE]

also see PRODUCT and TANK

TO DISPLAY ULLAGE

Press 👉 the ULLAGE key (ullage is the volume that could be added to a tank without overfilling it)

[E R ULLAGE 5]

Up to 4 tanks are displayed

[K X DOWN SPACE]

...press DOWN for other tanks

also see PRODUCT and TANK

TO DISPLAY WATER LEVEL

Press 👉 the WATER key. Up to 4 tanks are displayed

[F S WATER 6]

...press DOWN for other tanks

[K X DOWN SPACE]

also see PRODUCT and TANK

TO DISPLAY
- GROSS
- NET
- WATER VOLUME
- ULLAGE

BY PRODUCT (MANIFOLD & TANK)

Press 👉 the PRODUCT key. Choose the product by pressing a menu select key (M1 — M4) ...manifold tank data is displayed first

[A N PRODUCT 1]

...press DOWN for individual tanks

[K X DOWN SPACE]

See TANK also

TO DISPLAY
- GROSS
- NET
- WATER VOLUME
- ULLAGE

- LEVEL
- TEMPERATURE
- WATER LEVEL
- PERCENT FULL

BY TANK

Press 👉 the TANK key. Choose a tank by pressing a menu select key (M1 — M4)

[D Q TANK 4]

...press DOWN for more data (Level, Temperature, Water Level, and % Capacity). Also see PRODUCT key

[K X DOWN SPACE]

- see other side –

TO DISPLAY MANIFOLD TANK DATA

Press the PRODUCT key. Choose the product by pressing a menu select key (M1 —M4). Press DOWN to see individual tank data.

TO DISPLAY TIME & DATE

Press 👉 the CHECK key. Also press the CHECK key, M4 key and DOWN key to check the: Tank Sentinel Part No., Software Version Number, and Hardware status.

[M Z CHECK .]

Special Keys

Alarm (Annunciator) Test
tests the Alarm Horn — [ALARM TEST]

Cancel
use to exit / back-out of a menu or to cancel before the enter key is pressed — [CANCEL]

Enter
use to enter an input or password — [ENTER]

ACK Shift
use to Silence the Alarm Horn (see other side) and to **shift the input character type before** a key is pressed at the keypad (to input a value, password code, or text string). See the Operator's Guide about using the ACK SHIFT key. — [ACK SHIFT]

Special Keys (Continued from other side)

Menu Select Keys (M1 — M4)
are under the display. Press to make a choice or to enter menus (example uses: to print reports, view alarm lists, or to show leak test status).

When inputting data, such as a password, the **M1** key can be used to move the cursor left, **M2** to move the cursor right, and **M4** to ← backspace over (delete) a character.

Alarm Annunciator & Alarm Status Row

POWER	WARNING	ALARM	ALARM TEST
●	●	●	

Green light – on when power is on

Yellow light – on with System WARNING alarms
...flashes when alarms are new / not acknowledged

Red light – on with Tank, Sensor, & Line ALARMS
...flashes when alarms are new / not acknowledged

NOTE #1 ☞ Warning or Alarm lights turn off when cleared alarms are acknowledged and removed from the alarm list (unless an alarm is still active).

NOTE #2 ☞ The Report Printer is activated / prints on alarm. Alarms may be programmed to sound the solid-tone or beeping Annunciator Alarm Horn. But, regardless of how the programming was done, the alarm status row lights will always flash when a new warning or alarm exists. Pay close attention to the Alarm Status lights!

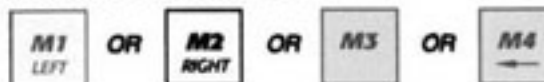## TO SILENCE THE ALARM HORN

Press ☞ **[ACK SHIFT]** the **ACK SHIFT** key ...if the console requires a password, the display will read: **ENTER PASSWORD:** (input the code and press **ENTER**).

TO VIEW AN ALARM LIST

Press a ☞ menu select key – **[M1 LEFT]** OR **[M2 RIGHT]** OR **[M3]** OR **[M4 ←]**

– under WARNING or ALARM messages (see example display at right). Use the **UP / DOWN** keys to show alarms in the alarm list **until all alarms have been viewed** (Active, Cleared or Transient alarms can be in the alarm list).

TO REMOVE CLEARED ALARMS FROM THE ALARM LIST

View an Alarm List (see above) and press the **ACK SHIFT** key to remove Cleared alarms. The display will show OKAY and the Alarm status row lights go out if no alarms exist (see Note 1). A service call may be required to clear an Active Alarm.

Call Number(s): [   ]

TO START A LEAK TEST   `except TS-504/508`

Press ☞ **[L Y TEST 0]** **TEST** then **M2** and a menu select key (**M1 — M4**) under the type of test you want to start (0.1 gph or 0.2 gph **tank or line test**).

Select a tank or line number by using (**M1 — M4**) keys... use **DOWN** key to see other tank or line numbers that you may choose from.
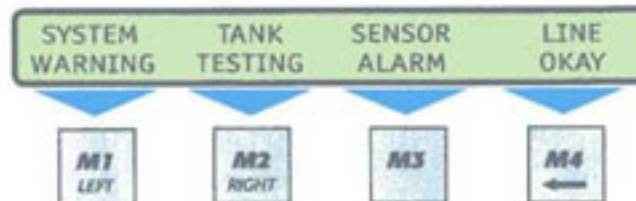
TO CANCEL / ABORT A LEAK TEST
Press **TEST** then **M3** and a menu select key (**M1 — M4**) under the type of test you want to abort.

TO SHOW LEAK TEST STATUS
Press **TEST** then **M1** ...use the **DOWN** key to view the status of other tank or line leak tests.

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Quick Reference Guide

SYSTEM WARNING	TANK TESTING	SENSOR ALARM	LINE OKAY
▼	▼	▼	▼
M1 LEFT	**M2 RIGHT**	**M3**	**M4 ←**

A N PRODUCT 1	B O GROSS 2	C P LEVEL 3	CANCEL
D Q TANK 4	E R ULLAGE 5	F S WATER 6	G T UP +/−
H U MENU 7	I V ALARM 8	J W REPORT 9	K X DOWN SPACE
ACK SHIFT	L Y TEST 0	M Z CHECK .	ENTER

TO ENTER THE SETUP MODE

Press ☞ **[H U MENU 7]** **MENU** then the **M1** key. If the console requires a password (highly recommended), the display will read:

ENTER PASSWORD: (input the code and press **ENTER**)
See the Operator's Guide about Language and Upgrade menu choices (Data Log is for diagnostic use only).

TO PRINT or FAX A REPORT

Press ☞ **[J W REPORT 9]** **REPORT** and then the **DOWN** key to view report types. Press **M1 — M4** to make a choice.

Press **M1** to send the report to the printer, or press **M2** to send the report to a remote FAX machine. The FAX / Modem hardware is an optional extra cost item.

Key Strokes to Print a (tank) Leak Estimate Report:

REPORT	M4	M1	M1 – M4	/	DOWN
1	2	3	4	/	5