TMS4000 Quick Reference Guide

Tank Product SetPoint Alarms*

CH	Critical High	–	Above 98%
HH	High High	–	Above 95%
H	High	–	Above 90%
L	Low	–	Below 20%
LL	Low Low	–	Below 15%
CL	Critical Low	–	Below 12%

Meter Display Mode

Left column	Center column	Right column
Temperature Uncompensated Volume (Barrels) –	○ Gross Volume (BBL)	○ Gross Volume (GAL) – Temperature Uncompensated Volume (Gallons/Liters)
Temperature Compensated Volume (Barrels) –	○ Net Volume (NBBL)	○ Net Volume (NGAL) – Temperature Compensated Volume (Gallons/Liters)
Maximum Delivery Amount (Barrels) –	○ Ullage (UBBL)	○ Ullage (ULLG) – Maximum Delivery Amount (Gallons/Liters)
Total Height of Liquid (Feet + Inches) –	● Product Height (FT P)	○ Product Height (IN P) – Total Height of Liquid (Inches/Millimeters)
		○ Percent Volume (% VOL) – Gross Volume/Tank Capacity x 100%
		○ Water Height (IN W) – Bottom Water Height (Inches/Millimeters)
		○ Temperature (TEMP) – Volume-Weighted average Product Temperature (°F/°C)

System Alarm Status and Acknowledgment

🔔 System Normal

🔔 Unacknowledged Alarms*

🔔 Acknowledged Alarms

Touch to silence front panel horn and access alarm acknowledgment screen. See back for details.

- ⏻ Power On
- ✓ System Normal
- 🔔 Alarm*
- ☼/☾ Auto Brightness Sensor

Sensor Alarm Status and Acknowledgment

- 🟢 All sensors normal
- 🔴 Alarms*
- 🟡 Wiring/Sensor faults
  Touch to view details

CC Input Alarm Status and Acknowledgment

- 🟢 All CC Inputs normal
- 🔴 Alarm and/or Activity*
  Touch to view details

Tank Status

Tank Active 🔼🔽
Product Increase 🔼
Product Decrease 🔽
Leak Test In Progress
Ungaugeable Level Warning
Probe Errors

Tank Alarm/Activity Priority Window

Tank Alarms
Product, Water and Temperature SetPoints, Theft, Failed In-Tank Leak Test

Display panel showing:
12:23:05 PM 4/2/2020 — TANK 30 — HH — Ethanol — 32625 GAL

Tank ID	Tank Name	Status	Alarms	Gross Vol	Net Vol	% Vol	Prod. Ht	Water Ht
30	Ethanol	Prod Increase	High High Prod	32625	32434	93.2	223.71	
1	Regular			16508	16496	82.9	121.17	0.2
2	Premium			3855	3833	51.0	49.51	0.1
3	Diesel			9431	9372	78.5	96.67	0.1
4	B20			341938	339936	68.3	328.21	1.8
5	B100			80285	79788	80.2	160.57	0.2
31	E15			4658	4629	23.2	56.27	0.1
32	Red Diesel			3695	3673	73.9	66.51	0.1

LT

* For All Alarms, Blinking indicates unacknowledged condition

Site Name _____   Tech Support Phone _____

Site Location _____   Emergency Phone _____

Current Alarms

General Alarm: Tank Product, Water, and Temperature SetPoints, Leak/Point Level Sensor, Contact Closure Input

Failed In-Tank Leak Test
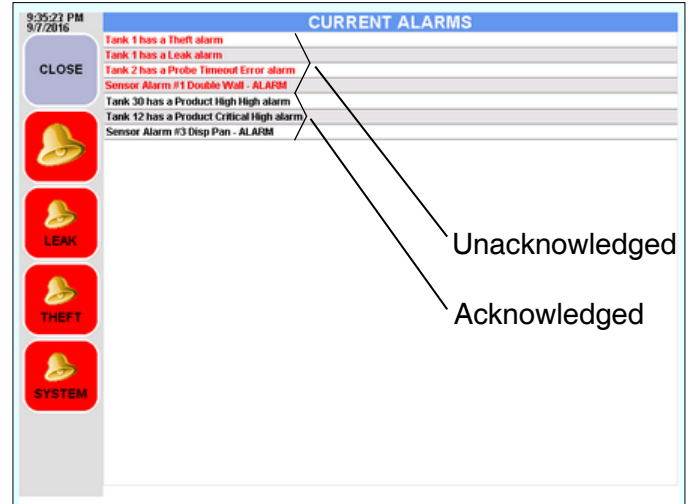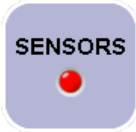
Theft

System Errors: Probe Errors, Sensor Wiring Faults

CURRENT ALARMS

9:35:27 PM
9/7/2016

Tank 1 has a Theft alarm
Tank 1 has a Leak alarm
Tank 2 has a Probe Timeout Error alarm
Sensor Alarm #1 Double Wall - ALARM
Tank 30 has a Product High High alarm
Tank 12 has a Product Critical High alarm
Sensor Alarm #3 Disp Pan - ALARM

Unacknowledged

Acknowledged

Leak/Point Level Sensor Statuses

Normal

Alarm or Active*

Wiring/Sensor Fault*

* Touch individual Sensor panel for details.

Leak/Point-Level Sensors

2:15:27 PM
9/29/2016

Disp Pan

1 Double Wall
2 Sump
3

Status
FAULT,OPEN CIRCUIT

Associations
Tank #   Disp #

View All Enabled Sensors

View Alarms and Activity Only
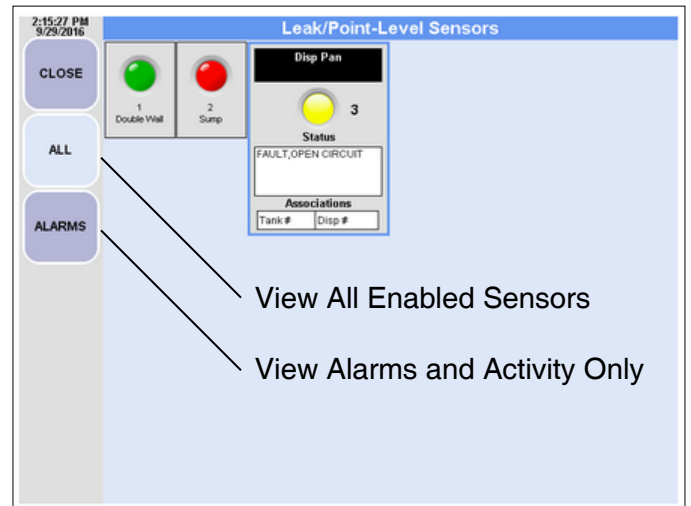
Contact Closure Input Statuses

Normal: No Alarm or Activity

Alarm or Active*

* Touch individual CC Input panel for details

Contact Closures

2:18:08 PM
9/29/2016

Test

1 Reset
2

Status
INPUT ACTIVE

View All Enabled CC Inputs

View Alarms and Activity Only