

LACO TECHNOLOGIES

COMMUNICATION MODULE

TCM50

The TitanTest™ Communication Module (TCM) adds powerful communication and data logging features to your TitanTest™ helium leak detector. The TCM is a small interface module packaged in a NEMA enclosure which includes a color touch screen interface, microprocessor, wired ethernet interface, data storage, web server, and serial barcode scanner interface.



TitanTest™ TW28-CPX44 with TCM50-PT

BENEFITS

- Powerful and configurable data logging capabilities
- Easy access to logged test data
- Ability to remotely monitor TitanTest™ Leak Detector

FEATURES

- Color touchscreen display
- Web page interface for accessing data logs, maintenance, and leak test information
- Options include Wi-Fi access, ticket printer, and barcode reader
- Configurable data logging with multiple data fields and tests, .csv export option, and onboard or web page access

TCM50 SPECIFICATIONS		
COMPONENT	DESCRIPTION	
OPERATOR INTERFACE	3.5" Color Touchscreen Display	
LEAK DETECTOR INTERFACE	Serial (RS232)	
ETHERNET INTERFACE	Wired (Wireless, optional)	
BARCODE SCANNER INTERFACE	Serial, 9 pin D-sub (Barcode Scanner Sold Separately)	
OPTIONAL TICKET PRINTER	2.5" wide Thermal Transfer	
DATA LOGGING	Configuration Options	Test Summary (recorded at the end of each test cycle), continuous Logging (start and stop controlled through TCM interface)
	Storage and Access	Onboard SD Card or Web Page
	Data Format	.csv file (compatible with Excel)
	Data Fields Available	Date/Time, Leak Rate, Operator, Serial Number
WEB PAGE INTERFACE	TitanTest™ information, Data log access, and Maintenance	
POWER	90-250 VAC, 50/60 Hz, 250 Watts. IEC C13 connection	
DIMENSIONS	7.5" H x 8" W x 8" D with sloped front	

LACO TECHNOLOGIES

COMMUNICATION MODULE

TCM50

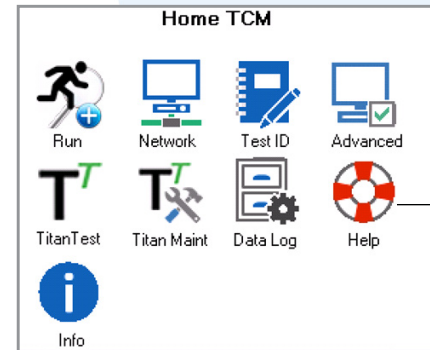
SOFTWARE FEATURES

Track your leak testing results via three data logging methods:

- Log test summary data at the end of Vacuum or Auto-Test cycles
- Manually log live leak rate data per data log timer
- Log test summary and in-test data

INTERFACE FEATURES

- 3.5" Color Touchscreen
- Wired or Wi-Fi
- Manual logging of test data or barcode scanner option
- 2.5" wide thermal transfer printer option



User friendly display features an intuitive touchscreen operation and icon based navigation.

TitanTest™ Home Screen

RECORD MAINTENANCE DATA

Maintain quality control through maintenance data including valve cycles, hours on leak detector, and turbopump hours.

Titan Test Maintenance

S/N: 0000000040112425 LD hours: 1011

Emission Status: On Filament #: 1

TMP Status: On Switch Filament

TMP Speed (hz): 1500 TMP hours: 997

Valve Cycles **HW version**

V1-Foreline: 594 IO board: 1280

V2-Rough: 605 Display: 512

V3-Fine: 491 Backplane: 256

V4-Ultra: 486 MC68: 1024

V5-Cal: 21

V6-Vent: 489

V7-Bypass: 536

Hours on leak detector

Turbopump hours

Valve cycles

TitanTest™ Maintenance Screen

WEB INTERFACE FOR REMOTE MONITORING

TITAN TEST

Home Watches TitanTest Info

TitanTest Info

Description	Value
S/N:	0
Status	
Leak Rate	8.05218E-10
Leak Rate Unit	atm*cc/sec Torr
Int Pressure	0.00192
Int Pressure Unit	Torr
Foreline Pressure	0.09442
Start / Stop	Stop Edit Value
Mode	Torr

Monitor your leak detector from anywhere with Internet access with our web interface. Access TitanTest™ Information, Data Log, and Maintenance Screens.

TitanTest™ Information Screen



TCM50 detail



TCM50 I/O ports



Ticket printer

TCM50-PT

TCM50 ORDERING GUIDE

DESCRIPTION	PART NUMBER
TitanTest™ Communication Module with Data Logging / Ethernet	TCM50
TitanTest™ Communication Module with Data Logging / Ethernet / Printer	TCM50-PT
Barcode Reader for TitanTest™ Communication Module	TCM-BC
WiFi Adapter for TitanTest™ Communication Module	TCM-WIFI