

PRODUCT SPECIFICATIONS

Thermo Scientific AutoLACT

LACT control flow computer

The Thermo Scientific™ AutoLACT Flow Controller provides the oil and gas markets a comprehensive lease automatic custody transfer (LACT) unit with the added advantage of the Thermo Scientific AutoPILOT PRO flow computer.

Features

- Bilingual HMI
- API liquid calculations
- On-site ticket printing
- Remote driver ID control



This system provides users with a driver database that can be updated remotely, will generate “Run Tickets” on-site as well as archive these tickets for importing into SCADA and third party systems such as Cynet and Flow-Cal.

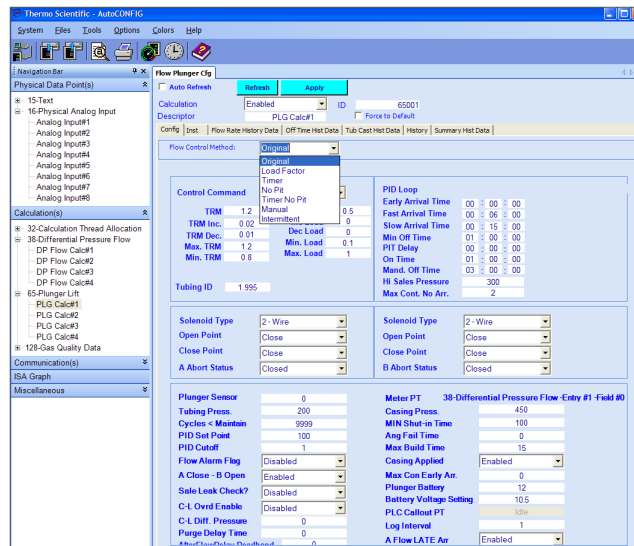
Taking our AutoPILOT PRO measurement capabilities and coupling that with effective control features our users will have a cost effective and efficient LACT controller to manage liquid hydrocarbon transporting operations.



Thermo Scientific™ AutoLACT Flow Controller
(Above image is shown with the optional printer.)

AutoCONFIG Configuration Software

Thermo Scientific flow computers are built on an innovative field proven platform incorporating the latest measurement standards and calculations for hydrocarbon measurement. AutoCONFIG interface allows for simplified configuration eliminating need for indepth programming. Control functions include Station Control, PID, Alarming, Event based logging and many more.



Thermo Scientific™ AutoCONFIG built-in software.

Thermo Scientific™ AutoLACT Flow Controller

General Specifications

Processor	32 bit, 60 MHz computer unit
Memory	2MB SRAM for data storage
Standard I/O	Three analog inputs 1-5V One 100 ohm Pt RTD input (full scale \pm -.6°F over operating temperature range) Two digital outputs Two digital inputs Two pulse inputs up to 10 KHz One local serial communication port One RS232/RS485 host serial communication port Connection for AutoMITTER Safety Interface Board Connection for optional modular expansion boards (MEB) Two +12V power supply outputs for wireless communication One 10/100 Ethernet communication port with eSD protection One USB port
Power supply	24V external power supply
Temperature range	-25°C - +65°C
Size	30.0" W x 36.0" H x 15.86" D (76.2 cm x 91.5 cm x 40.3 cm)
Weight	136 pounds (61.7 Kg)
Approvals	Designed for Class 1, Division 2, Groups C & D T3C (-40°C - +85°C)
Monitouch HMI	8.4" TFT color LCD (VGA) – 65K colors Analog resistive touch screen

Optional Specifications

Thermal Printer	Anti-jamming system Automatic ticket ejection Temperature range: -20°C - +70°C
DI/DO MEB	Maximum 3 boards
12 – 24 Vdc convertor module	Maximum of one module per unit, output 254 Vdc at 3 A maximum
Relay board	Maximum of two boards, relays provide up to four outputs
AI Expansion	One AI expansion board with up to four AI terminal boards Current input 4-20 mA can be converted Full scale \pm 0.1% over operating temperature range

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