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

The 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 Cygnet 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					
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Navigation Bar 🛛 🗛 🗙	Flow Plunger Cfg			4 b 🗙	
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Miscellaneous ¥					
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	Tubing Press.	200	Casing Press. MIN Shut-in Time	100	
	PID Set Point	100	Ang Fail Time	0	
	PID Cutoff	1	Max Build Time	15	
	Flow Alarm Flag	Disabled	Casing Applied	Enabled	
	A Close - B Open	Enabled	Max Con Early Arr.	0	
	Sale Leak Check?	Disabled 🔹	Plunger Battery	12	
	C-L Ovrd Enable	Disabled •	Dattery voltage Setting	10.5	
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Thermo Scientific[™] AutoCONFIG built-in software.



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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 ±0.1% over operating temperature range		

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Find out more at thermofisher.com/AutoLACT



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