

Thermo Scientific AutoLACT Flow Controller

Intelligent device providing measurement and operational control of widely used LACT skids

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.

- Utilizing industry accepted AutoPILOT PRO for measurement and control
- HMI touch screen for easy user interface
- Onsite run ticket printing along with ticketing archive
- Bilingual driver interface
- All in one flow computer, printer and touchscreen makes installation easy
- API Compliant
- SCADA Compatible



Reliable and Dependable

The Thermo Scientific AutoLACT Flow Controller is designed on the proven technology of the AutoPILOT PRO, a platform that has been accurately transferring product from production site to truck, pipeline or storage tank for over 25 years. Thermo Scientific AutoPILOT PRO flow computers are worry free, low maintenance controllers built to endure the most extreme environmental conditions with minimal downtime. All boards are engineered and tested to withstand lightning strikes and temperature differentials, ensuring reliable communication of valuable flow data from remote, unmanned locations.

Easy and Quick Installation

The Thermo Scientific AutoLACT Flow Controller allows for rapid and simple installation by using a single enclosure to house both the flow computer printer and touch screen. The unit also easily integrates into corporate networks, facilitating data access by office-based staff. Getting up and running is easy due to minimal programming and virtually no user training required.

Lower Your COO

Realize a low cost of ownership (COO) and increased cost savings over time due to the most accurate measurement of product with each transaction. The flow computer in the AutoLACT unit performs simultaneous per second flow calculations on all runs and ensures faster API calculations for rapid, accurate data capture. Unattended and automated, this method is the most economical custody transfer solution. An optional integrated printer allows for real time recording and ticket generation for maximum tracking and accounting. View a video demonstration of the software at www.thermoscientific.com/AutoLACT.



Thermo Scientific AutoLACT Flow Controller

*Above image is shown with the optional printer.

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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

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your flow measurement/control equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific products.

For more information, visit our website at thermoscientific.com/autolact

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This product is manufactured in a plant whose quality management system is ISO 9001 certified.

USA
27 Forge Parkway
Franklin, MA 02038
Ph: (866) 282-0430
Fax: (508) 520-2800
orders.aqi@thermofisher.com

India
C/327, TTC Industrial Area
MIDC Pawane
New Mumbai 400 705, India
Ph: +91 22 4157 8800
india@thermofisher.com

China
+Units 702-715, 7th Floor
Tower West, Yonghe
Beijing, China 100007
+86 10 84193588
info.eid.china@thermofisher.com

Europe
Takkebijsters 1
Breda Netherlands 4801EB
+31 765795641
info.aq.breda@thermofisher.com

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