

# LIQUID CONTROLS GROUP



LectroCount® LCR 600



## LectroCount LCR 600: The Next Generation of Electronic Registration

### Applications

**Tank Wagons and Transports**

**LPG Bobtails**

**Lube Oil Trucks**

**Refined Fuel Trucks**

**Aviation Refuelers**

**Load Racks**

**Fixed Installations**

The LectroCount LCR 600, the latest edition of Liquid Controls' popular LectroCount line of electronic registers, is loaded with advanced functionalities that can produce real savings for your bottom line. New features—such as the large 5.7" QVGA display and the alphanumeric keyboard—enable valuable new functionalities like the full-featured point-of-sale (or POS, an optional upgrade), instant diagnostic messaging, and customized delivery screens. Unlike its predecessors, the LCR 600 is a stand-alone unit; no extraneous lap top or a lap pad is required. All configurations—including calibration, system setup, and point-of-sale (POS)—can be entered using the alphanumeric keypad.

The LCR 600 POS upgrade eliminates the need for handwritten tickets from the delivery route. With the POS upgrade, drivers can print complete priced and taxed tickets on site which significantly cuts down delivery times and office work. Less office work and faster deliveries mean more daily deliveries, typically two or more per truck. The LectroCount LCR 600 is the register that lets you do more with less.

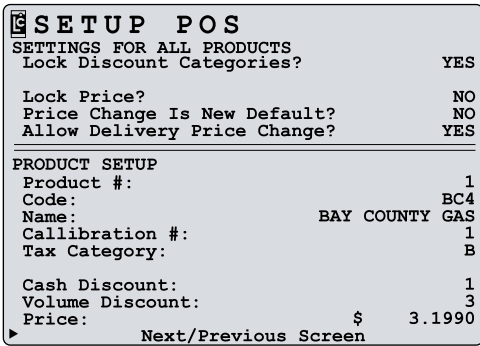
### LectroCount LCR 600 Benefits

- Simultaneously track volume, flow rate, and many other key values during delivery
- In the field configuration and setup—the LCR 600 functions as a stand-alone unit
- Quick setup and operation with intuitive navigation screens
- Prevent needless service calls with first level diagnostics
- Compatible with most positive displacement flowmeters

### LectroCount LCR 600 with/ Point-of-Sale (POS) Benefits

- Increase the number of daily deliveries by replacing handwritten tickets with printed priced and taxed tickets
- Reduce human error and office work created by handwritten tickets
- Reduce postage and invoice costs by printing POS tickets at delivery sites
- Customize discounts and pricing for all types of customers—up to 100 programmable products
- Add multiple products, pricing, and taxes to a single calibration (ex. diesel and dyed diesel)
- Serve different municipalities, states, and regions with complex tax structuring capability
- Add additional services and product transactions on-site with the miscellaneous charges feature

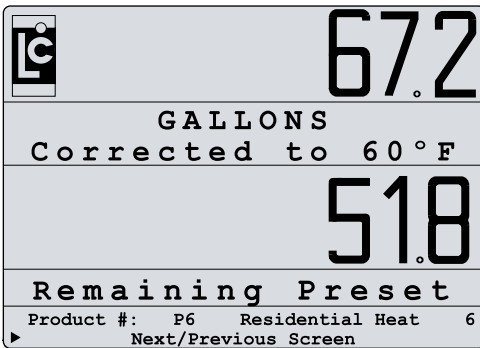
# New Features and Functionalities



Point of Sale Setup Screen

## The Full-Featured Point-of-Sale Advantage

The LectroCount LCR 600's point-of-sale (POS)—an optional upgrade—is a powerful tool that can boost productivity and accelerate cash flow. Adding the POS upgrade eliminates the need for hand-written tickets. Drivers can print a complete priced and taxed ticket for the customer at the delivery site. Before the delivery, drivers select a “product” preprogrammed with the appropriate pricing, early payment discounts, volume discounts, and tax structure. Up to 100 “products” can be programmed, so you can accommodate every type of customer you serve. The POS upgrade also includes a miscellaneous charges feature that allows drivers to add additional products and fees, such as minimum delivery charges, to the delivery ticket.



Split Screen Display with Volume and Flowrate

## Bigger Display, More Possibility

The 5.7” QVGA display provides plenty of space for large character split screens, extensive menus, and delivery screens with multiple key values. It's a user-friendly workspace where you can easily adjust delivery settings and troubleshoot the meter system in the field without additional peripherals. The backlit, transfective screen is readable at a distance, visible at night, and remains perfectly legible in direct sunlight. LCR 600 screens are well-mapped and easily negotiated, making operation and configuration easy.



## Alphanumeric Keypad

The alphanumeric keypad consists of 14 domed keys that, when pushed in, collapse and snap back, producing a tactile response for a positive confirmation of a keystroke. Two scrolling keys and two screen navigation keys provide simple maneuvering from screen to screen and through lists. The multitap functionality of the 10 alphanumeric keys allows you to enter text fields, such as presets or ticket messages, without additional peripherals.



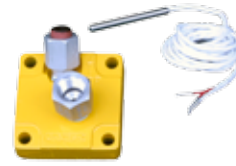
## Red Rotary Selector Switch

For over three decades, LectroCount electronic registers have featured the red rotary selector switch. It's durable. It clearly identifies the setting. And it's easy to use. Since its inception, the selector switch has evolved into a valuable “pump and print” tool. The selector switch gives all major delivery and print commands with just a simple turn.

# Accessories

## Electronic Temperature Volume Compensation (ETVC)

The ETVC kit all but eliminates the effect of product temperature change on the actual delivered volume. The platinum RTD probe sends two temperature readings per second back to the LCR 600, and it is accurate to 0.45° F over the operating temperature range of -40° to 158° F.



Electronic Temperature Volume Compensation Kit

## Printers

Epson slip printers and Epson roll printers—both industry standards—are available from Liquid Controls. Epson printers provide multiple copies of delivery tickets and, with the LectroCount LCR 600's POS upgrade, multiple copies of priced and taxed delivery tickets.



Epson Roll Printer



Epson Slip Printer

## LectroCount EZCommand

Streamline configurations and setups across your entire fleet of LectroCount LCR 600s. Liquid Control's LectroCount EZCommand is a user friendly Windows®-based interface that saves and distributes LCR 600 settings and updates.



LectroCount EZCommand

## Remote Display

Perfect for aviation refuelers, load racks, and other applications in vast spaces where long-distance viewing is necessary, the 2¼" six-digit LectroCount Remote Display is viewable from 100 feet. It is also backlit for night viewing.



LectroCount Remote Display

## Valves

The LectroCount LCR 600 can be ordered with many different types of valves depending on application. Ask your Liquid Controls representative which valve is right for your application.



Block Valve



E-7 Valve

## Optical Air and Vapor Eliminators

Because optical air and vapor eliminators have no internal moving parts, they can significantly reduce maintenance costs and downtime. Meter systems with an air or vapor eliminator and an LCR 600 close the meter system valve and remove any air or vapor before it enters the meter's measuring chamber ensuring that only liquid is measured and registered.



Optical Vapor Eliminator



Optical Air Eliminator and High Capacity Strainer

## Differential Pressure ( $\Delta P$ ) Transducer

The differential pressure transducer serves as a safety shutdown device and a maintenance tool in aviation applications. When the differential pressure (pressure drop) across a full flow fuel monitor or filter separator meets a preprogrammed differential pressure shutdown value, the delivery stops, eliminating the risk of tainted fuel deliveries and meter damage.



Differential Pressure Transducer

## POD Pulser

The POD Pulser converts the rotary motion of Liquid Controls flowmeters into a high resolution, unscaled pulse stream. The pulse stream can then be interpreted by a wide variety of electronic monitoring devices and control equipment, including the LCR 600.



POD Pulser

# Applications



## LPG (Liquid Propane Gas)

Combine Liquid Controls' electronic temperature volume compensation (ETVC) kit with the accuracy of LectroCount LCR 600's multi-point calibration feature. Add the LCR 600's full-featured point-of-sale (POS) upgrade. And you'll have one of the most versatile and reliable meter systems on the LPG market. The POS upgrade gives drivers the ability, on-site, to correctly price many different types of customers. At the delivery site, drivers simply select the "product" (preprogrammed with pricing, taxes, discounts, and a calibration), make a delivery (the POS upgrade can preset deliveries by total price or volume), and the LCR 600 will print a perfectly priced ticket for the customer and your records.



*M7 Meter with Optical Vapor Eliminator, ETVC Kit, and Differential Valve*



## Refined Fuels and Lube Oils



*M7 Meter with Optical Air Eliminator, High Capacity Strainer, and E-7 Valve*

The flexibility of the LectroCount LCR 600's point-of-sale (POS) upgrade makes it easy to manage multiple products as well as tax and price different types of transactions—necessities in refined fuel and lube oil applications. With the LCR 600 POS, operators can control up to 16 product calibrations and configure 100 different "products" each with its own unique pricing, tax structure, and discounts. Discounts can be a powerful business tool, and the LCR 600 provides you with plenty of discounting options. Early payment discounts maximize prompt payments, and volume discounts can often encourage larger transactions. At the delivery site, drivers simply select the "product" (preprogrammed with a pricing, taxes, discounts, and a calibration), make a delivery (the POS upgrade can preset deliveries by total price or volume), and the LCR 600 will print a perfectly priced ticket for the customer and your records.



*2" Lube Oil Meter with Electro-Pneumatic Preset Valve*



## Aviation

The backlit, transfective screen of the LectroCount LCR 600 is perfectly suited for the extreme conditions of the tarmac—large, crisp display characters, visible at night, and perfectly legible in direct sunlight. For added safety and equipment protection, the LCR 600 is available with a differential pressure ( $\Delta P$ ) transducer to monitor filter separators and shutdown high risk deliveries. The differential pressure during delivery can be displayed on the LCR 600's delivery screen and printed on the delivery ticket.



*M30 Class 2 Meter*



## The Liquid Controls Group

The Liquid Controls Group provides custody transfer solutions for the control and management of high-value fluids and gases. In 2001, IDEX united Corken, Liquid Controls and Sampi to form the Liquid Controls Group. Together, they used their combined resources to design valuable new products and offer cost-effective pump and meter solutions. The three flagship businesses laid the foundation for LCG's successful program of collaboration and innovation. With the additions of Liquid Controls Sponsler, Toptech Systems and Faure Herman, a total of six industry leading brands, LCG quickly became a dependable, single source provider, large enough to supply comprehensive solutions yet flexible enough to customize solutions for unique needs. Today, the Liquid Controls Group has a strong global presence with seven business units in five countries and over 500 distributors on six continents.



## Your Customers—Our Customers

The Liquid Controls Group (LCG) is part of the IDEX Corporation, a diversified, engineered products company. IDEX leverages the resources of high quality, similar-profile businesses to innovate solutions that bring real and lasting value to you, our customer. At LCG and IDEX, the voice of our customers is our driving force. With your guidance, we can preserve quality and develop the products and services that best meet your customers' needs.

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