

LD Series Electronic Meters

Dispense Meters and Control Valves

Features and Benefits

- Manual and Preset Dispense
- Dispenses in gallons, quarts, pints and liters
- Easy to read LCD display with durable switches for long life
- Rugged engineered material for superior impact resistance and long life
- Ergonomically-designed handle for optimum comfort
- Standard rigid extension kit and automatic thermal compensating nozzle
- Optional extensions available

Typical Applications

- Metered oil dispense
- Automotive dealerships
- Heavy-duty dealerships
- Fast lube centers
- Fleet service facilities
- Service shops
- For indoor use only
- In-plant

Typical Fluids Handled

- Petroleum- and synthetic-based oils
- Anti-freeze

Technical Specifications

Flow Range ⁽¹⁾	0.1 - 5 gpm (0.4 - 19 lpm)
Maximum Working Pressure	1000 psi (69 bar)
Units of measure.....	Quarts, pints, gallons, liters (factory set to quarts)
Weight	3 lb (1.36 kg)
Inlet	1/2 in npt
Outlet.....	1/2 in npt
Operating Temperature Range.....	32 - 120° F (0 - 48.8° C)
Storage Temperature Range.....	-30 - 120° F (-34.4 - 48.8° C)
Battery	9 volt alkaline
Battery Life.....	one year
Wetted Parts.....	sst, nitrile rubber, zinc, cs, lcp
Meter Pressure Loss ⁽¹⁾	90 psi (6.2 bar) @ 5 gpm (19 lpm)
Accuracy ⁽²⁾	±0.5%
Dimensions (without extension).....	11 in L x 3.25 in W x 3.25 H (28 cm L x 8.3 cm W x 8.3 cm H)
Maximum Totalizer	999,999 gallons or liters
Maximum Recorded Dispense.....	999.9 Units (LDP5 only)
Warranty	Two Years
Instruction Manual	312668

⁽¹⁾ Tested in 10W oil at 70°F. Flow rates vary with fluid pressure, temperature, viscosity, inlet fitting and nozzle type.

⁽²⁾ @ 2.5 gpm (9.5 lpm) @ 70° F (21° C) with 10 wt. oil and 1 gal (3.8 l) dispensed.

May require re-calibration. Out-of-box accuracy ±1.25%. Not recommended for in-line installation.

Ordering Information

LDM5 Manual Dispense Meters	
255751	1/2 in npt(f) swivel, flexible extension and automatic nozzle for oil and anti-freeze
256215	1/2 in npt(f) swivel, rigid extension, trigger guard/boot and automatic nozzle for oil and anti-freeze
258693	1/2 in npt(f) swivel, flexible extension, trigger guard/boot and automatic nozzle for oil and anti-freeze
LDP5 Preset Dispense Meters	
255277	1/2 in npt(f) swivel, flexible extension and automatic nozzle for oil and anti-freeze
256216	1/2 in npt(f) swivel, rigid extension, trigger guard/boot and automatic nozzle for oil and anti-freeze
258694	1/2 in npt(f) swivel, flexible extension, trigger guard/boot and automatic nozzle for oil and anti-freeze



SD Series Electronic Meters

Dispense Meters and Control Valves

Features and Benefits

- Fluid inlet options (1/2 in and 3/4 in npt) meets standard and high-flow requirements
- Large LCD display and simple operator controls
- Locking trigger (LDP5/LDP15 models) and durable cast guard prevents accidental triggering
- Flush-mount nozzle valve design prevents leaks and contamination

Typical Applications

- Automotive dealerships
- Heavy-duty dealerships
- Fast lube centers
- Lube trucks
- Fleet service facilities
- Service shops
- In-plant
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils
- Anti-freeze

Technical Specifications

Flow Range ⁽¹⁾	0.1–14 gpm (0.4 - 53 lpm)
Maximum Working Pressure	1500 psi (103.4 bar)
Weight	5 lbs (2.3 kg)
Inlet	3/4 in–14 npt or 1/2 in–14 npt
Outlet	3/4 in–16 straight thread O-ring Boss
Maximum Totalizer	999,999 gallons or liters
Maximum Recorded Dispense	999.9 Units
Maximum Pre-Set Volume	999.9 Units
Storage Temperature Range	-40–158° F (-40-70° C)
Operating Temperature Range	4–158° F (-20-70° C)
Battery	4 AA alkaline or 4 AA lithium
Battery Life ⁽³⁾ . . . Preset Models – six months w/alkaline, manual models – one year w/alkaline 4 AA alkaline/lithium	
Wetted Parts	Aluminum, sst, pbt/pc, nitrile rubber, cs
Meter Pressure Loss ⁽¹⁾	180 psi (12 bar) @ 14 gpm (53 lpm)
Accuracy ⁽²⁾	+/- 0.5%
Dimensions (without extension)	13 in L x 3.75 in W x 5.75 in H, (33cm x 9.5cm x 14.6cm)
Warranty	Five years overall, three years electronics
Instruction Manual	312865

⁽¹⁾ Tested in 10W oil at 70° F. Flow rates vary with fluid pressure, temperature, viscosity, inlet and nozzle type.

⁽²⁾ At 2.5 gpm (9.5 lpm) @ 70° F (21° C) with 10 wt. oil and 1 gal (3.8 l) dispensed. May require re-calibration. Out-of-box accuracy ±1.25%.

⁽³⁾ Average shop use with alkaline batteries (included); 30-35% longer life with lithium AA.



Ordering Information

SDM5 MANUAL DISPENSE ELECTRONIC METER, 5 GPM OR LESS	
255350	1/2 in npt(f) swivel, rigid extension with standard automatic non-drip quick-close nozzle for oil
255348	1/2 in npt(f) swivel, flexible extension with standard automatic non-drip quick-close nozzle for oil
255349	1/2 in npt(f) swivel, extension with standard quick-close nozzle for gear lube
255802	1/2 in npt(f) swivel, rigid extension with standard quick-close nozzle for anti-freeze
255803	1/2 in npt(f) swivel, flexible extension with standard quick-close nozzle for anti-freeze
SDM15 MANUAL DISPENSE ELECTRONIC METER, 14 GPM OR LESS	
256836	1/2 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
256837	1/2 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze
255800	3/4 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
255801	3/4 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze
SDP5 PRESET DISPENSE ELECTRONIC METER, 5 GPM OR LESS	
255200	1/2 in npt(f) swivel, rigid extension with standard automatic non-drip quick-close nozzle for oil
255351	1/2 in npt(f) swivel, flexible extension with standard automatic non-drip quick-close nozzle for oil
255352	1/2 in npt(f) swivel, extension with standard quick-close nozzle for gear lube
255355	1/2 in npt(f) swivel, rigid extension with standard quick-close nozzle for anti-freeze
255356	1/2 in npt(f) swivel, flexible extension with standard quick-close nozzle for anti-freeze
SDP15 PRESET DISPENSE ELECTRONIC METER, 14 GPM OR LESS	
256838	1/2 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
256839	1/2 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze
255353	3/4 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
255354	3/4 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze

EM6™ Electronic Meter

Dispense Meters and Control Valves

Features and Benefits

- Screw-tight nozzle for positive shut off
- Ball bearing swivel for ease of use
- Durable design ideal for use in harsh environments
- Reset capable for periodic dispense history information

Typical Applications

- Metered oil dispense in demanding environments
- Automotive dealerships
- Heavy-duty dealerships
- Service and fast lube centers
- Fleet service facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled*

- Petroleum- and synthetic-based oils
- * Not recommended for use with anti-freeze or windshield washer fluid

Technical Specifications

Maximum Operating Pressure.....	1500 psi (105 bar, 10.5.)
Operating Temperature Range.....	-40-180° F (-40-82° C)
Storage Temperature Range.....	-40-140° F (-40-60° C)
Inlet	1/2 npt
Outlet.....	1/2 npt
Wetted Parts.....	aluminum, SST, CS, acetal, nitrile rubber, Geolast™
Instruction Manual	308642
Accuracy/Repeatability	+/- 0.6%

Geolast™ is a registered trademark of Advanced Elastomer Systems.

Ordering Information

EM6 Electronic Meters	
243599	U.S. measure (rigid extension)
243600	U.S. measure (gear lube extension)
243601	U.S. measure (flexible extension)
243602	Metric measure (rigid extension)
243603	Metric measure (gear lube extension)
243604	Metric measure (flexible extension)
243992	1/2 in (12.7 mm) bare valve (without locking trigger)
Accessories	
235878	U.S. Electronic Control Replacement
235901	Metric Electronic Control Replacement
203655	Twist Lock Nozzle Replacement 1/4 npt(m)
203687	Flex Extension, hose with 203655 tip
201701	Gear Lube Extension with tip
203265	Rigid Extension with tip
Color-coded Impact Guards for Electronic Meters	
Color-code various fluids dispensed to reduce errors, match store colors, or create a customized appearance. For electronic meters only	
191782	Black
191783	Red
191784	Blue



Dispense Meters and Control Valves

EM12™ Electronic Meter

Dispense Meters and Control Valves

Features and Benefits

- Reset capable for periodic dispense history information and locking trigger for hands-free operation
- High-flow capability provides up to 12 gpm (45 lpm)
- Rugged design withstands demanding environments

Typical Applications

- Automotive and heavy-duty dealerships
- Service and fast lube centers
- In-plant
- Mining
- Fleet service facilities
- Lube trucks

Typical Fluids Handled*

- Petroleum- and synthetic-based oils

* Not recommended for use with anti-freeze or windshield washer fluid

Technical Specifications

Maximum Recommended Flow Rate	12 gpm (45.4 lpm)
Maximum Operating Pressure.....	1500 psi (105 bar)
Operating Temperature Range.....	-4-130° F (-20-55° C)
Storage Temperature Range.....	-40-140° F (-40-60° C)
Inlet	1/2 npt and 3/4 npt
Outlet.....	1/2 npt
Wetted Parts.....	aluminum, SST, CS, acetal, nitrile rubber, Geolast
Instruction Manual	308642

Ordering Information

EM12 Electronic Meters with 3/4 in npt(f) swivel inlet	
238636	U.S. measure, rigid extension
238637	U.S. measure, flexible extension
238638	Metric measure, rigid extension
238639	Metric measure, flexible extension
EM12 Electronic Meters with 1/2 in npt(f) swivel inlet	
238640	U.S. measure, rigid extension
238641	U.S. measure, flexible extension
238642	Metric measure, rigid extension
238643	Metric measure, flexible extension
Bare Valves with Locking Trigger (no meter or extension)	
238647	Inline flow through with 1/2 npt(f) swivel inlet and outlet
238646	Inline flow through 3/4 npt(f) swivel inlet; 1/2 npt(f) outlet
Accessories	
235878	U.S. Electronic control replacement
235901	Metric electronic control replacement
223920	High flow twist lock nozzle, 1/2 npt(f) with 1 in diameter tip
238400	Automatic nozzle 1/2 npt(f) with 1 in diameter tip
185416	Filter 40 mesh stainless steel
Color-coded Impact Guards for Electronic Meters	
For color-coding fluids dispensed to reduce errors, match store colors, or to protect vehicle's finish. For electronic meters only.	
191782	Black
191783	Red
191784	Blue



238641



238647



191782



223920

In-Line Electronic Meters

Dispense Meters and Control Valves

IM5 Low Pressure Meter

- Heavy-duty construction for outdoor use
- Easy-to-use meter dispenses pints, quarts, liters or gallons
- Compatible with windshield wash solvent or anti-freeze

247453



Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- In-plant

Typical Fluids Handled

- Petroleum- and synthetic-based oils
- Anti-freeze
- Windshield wash fluid

IM6 and SDI15 Medium/High Pressure Meters

- Reset capable for periodic dispense history information
- Shock-resistant durable design ideal for rugged environments
- Easy-to-use meter dispenses pints, quarts, liters or gallons



244075

Typical Applications

- Automotive and large truck dealerships
- Fast lubes and service shops
- Mining
- Fleet service facilities
- Lube trucks (IM6 only)
- In-plant

Typical Fluids Handled*

- Petroleum- and synthetic-based oils

* Not recommended with anti-freeze or windshield wash

239824



Technical Specifications

	IM5 In-Line Meter	IM6 In-Line Meter	SDI15 In-Line Meter
Flow Range*	0.5 to 5 gpm (1.9 to 19 lpm)	0.12 to 12.0 gpm (0.46 to 45.6 lpm)	0.1 to 14 gpm (0.4 to 53 lpm)
Max. Working Pressure	500 psi (34 bar)	1500 psi (103 bar)	1500 psi (103 bar)
Weight	1.8 lb (0.8 kg)	1.9 lb (0.95 kg)	1.8 lb (0.82 kg)
Units of Measurement	Quarts, pints, gallons, liters (factory-set to quarts)**		
Accuracy	± 0.5%	± 1.0%	± 0.5%
Inlet/Outlet	1/2 npt*	1/2 npt*	1/2 npt*
Operating Temperature Range	-4 - 122° F (-20 - 50° C)	-4° - 130° F (-20° - 55° C)	-4 - 122° F (-20 - 50° C)
Storage Temperature Range	-13 - 122° F (-25 - 50° C)	-40° - 140° F (-40° - 60° C)	-13 - 122° F (-25 - 50° C)
Outdoor	yes	yes	no
Max Totalizer	99,999	19,999	99,999
Max Recorded Dispense	999.99	999.99	999.99
Meter Pressure Loss	15 psi (1 bar) @ 5 gpm (19 lpm)	120 psi (8.3 bar) @ 6 gpm (23 lpm)	22 psi (1.5 bar) @ 14 gpm (53 lpm)
Battery	9-volt, alkaline	Lithium	2AA alkaline
Wetted Parts	nickel, zinc, zenite, nitrile rubber	aluminum, carbon steel, nitrile rubber, nickel, bronze, SST #304, cast ALNICO 8	aluminum, carbon steel, nitrile rubber, nickel, bronze, SST, Geolast
Instruction Manual	308687	307965	313048

*Tested with number 10 motor oil. Flow rates vary with fluid pressure and viscosity. ** Display shows quantity in 0.01 increments up to 999.99 gallons, quarts, pints, or liters. Totalizes in gallons or liters up to 99,999 units (IM5 only).

Ordering Information

IM5 In-Line Meter	
239824	IM5 In-Line Meter
IM6 In-Line Electronic Meter	
244075	In-Line Meter (U.S.)
244076	In-Line Meter (Metric)
235878	Replacement Electronics (U.S.)
235901	Replacement Electronics (Metric)
SDI15 In-Line Electronic Meter	
247453	In-Line Meter (U.S.)