



# EM Series™

Electronic Manual Dispense Meters



## Low- and High-flow Manual Meters

Building on the heritage of Graco's first electronic meter, the EM Series features a robust design at an affordable price. Weather-rated and impact-resistant construction protects the electronics from intense, high-pressure cleaning and mechanical vibration common in industrial applications.

PROVEN QUALITY. LEADING TECHNOLOGY.

# EM SERIES™ ELECTRONIC MANUAL DISPENSE METERS

EM Series handheld and in-line meters are designed to last, whether they are used in small service centers and lubrication trucks or in heavy-duty repair facilities. Choose from 8 or 20 gpm (30.3 to 75.7 lpm) handheld models, or our 20 gpm (75.7 lpm) in-line meter. Graco's EM Series meters are backed by our robust warranty. The meters feature upgraded electronics and easy-to-read LCD with simple operator controls that measure in quarts, gallons, pints and liters.



### Proven in Harsh Conditions

Sealed electronics (IP69K) are protected against direct pressure washing and dust.

### Long Battery Life

Features upgraded electronics and easily replaceable AAA batteries.

### Twist-Close Nozzle Prevents Leaking

Multiple extensions available including rigid, flexible and gear lube.

### High-Flow Rates

Capable of up to 20 gpm.

### Legacy Valve

1/2 and 3/4 inch inlets, compatible with oil, ATF, anti-freeze and gear lube.

### Prevent Accidental Dispenes

Easy-to-hold locking handle.

## ORDERING INFORMATION

	EXTENSION	INLET IN	PART NUMBER		
			NPT	BSPT	BSPP
EM8	Flexible	1/2	25C904	25C912	25C908
	Rigid		25C903	25C911	25C907
	Gear		25C905	25C913	25C909
EM20	Flexible	1/2	25C915	25C921	25C924
		3/4	25C918	25C927	25C930
	Rigid	1/2	25C916	25C922	25C925
		3/4	25C919	25C928	25C931

# EM SERIES™ IM IN-LINE ELECTRONIC METER

### Easy-to-Read LCD

Simple operator control. Measures in quarts, gallons, pints and liters.

### Easy Battery Replacement

Long-lasting, replaceable AAA batteries.



### Sealed Electronics

IP69K-rated meter. Electronics are safe from pressure washing and dusty environments.

### Easily Track Fluid Usage

Track individual dispenses or display total dispense history.

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
25C841	IM20 high-flow, high-pressure in-line meter

## TECHNICAL SPECIFICATIONS

	EM8	EM20	IM20
Flow Range	0.95 to 30.3 lpm (0.25 to 8 gpm)	0.95 to 75.7 lpm (0.25 to 20 gpm)	0.95 to 75.7 lpm (0.25 to 20 gpm)
Maximum Operating Pressure	102 bar (1,500 psi)		
Unit of Measure	Quarts, gallons, pints, liters		
Accuracy/Repeatability	±0.5%		
Inlet	1/2 in NPT 1/2 in BSPP 1/2 in BSPT	1/2 in NPT or 3/4 in NPT 1/2 in BSPP or 3/4 in BSPP 1/2 in BSPT or 3/4 in BSPT	3/4 in NPT
Outlet	3/4 in straight thread O-ring boss	7/8 in straight thread O-ring boss	3/4 in NPT
Maximum Totalizer	19,999 units		
Maximum Recorded Dispense	19,999 units		
Operating Temperature Range	-30°C to 82°C (-22°F to 180°F)		
Storage Temperature Range	-40°C to 85°C (-40°F to 185°F)		
Outdoor Use	Yes – IP69k as per DIN 40050-9		
Battery	2 (AAA) alkaline or 2 (AAA) lithium		
Wetted Parts	Aluminum, stainless steel, carbon steel, acetal, nitrile rubber, Geolast™		
Meter Pressure Loss*	2.07 bar @ 22.7 lpm (30 psi @ 6 gpm)	5.86 bar @ 45.4 lpm (85 psi @ 12 gpm)	2.41 bar @ 45.4 lpm (35 psi @ 12 gpm)
Dimensions	33 cm L x 9 cm W x 13.3 cm H (13 in L x 3.5 in W x 5.25 in H)		10.7 cm L x 8.6 cm W x 8.1 cm H (4.2 in L x 3.4 in W x 3.2 in H)
Weight	1.36 kg (3 lbs)	1.39 kg (3.1 lbs)	0.57 kg (1 lb. 4 oz.)
Warranty	Five years overall, three years electronics and one year wear parts		
Instruction Manual	3A5588		

\* Tested in 10W oil at 21°C (70°F). Flow rate varies with fluid pressure, temperature, viscosity, inlet fitting size and nozzle type.  
Geolast is a registered trademark of Advanced Elastomer Systems.






## ORDERING INFORMATION

### Accessories

PART NUMBER	DESCRIPTION
129876	Black impact guard for EM8, EM20 and IM20
25D934	Electronic control replacement kit
25D936	Battery kit: includes AAA batteries, Torx screws and bezel seal

### Hose Identification Sets

Vinyl hose wrap for easy identification of meter fluid.

	PART NUMBER	DESCRIPTION
	17S659	Red
	17S660	Blue
	17S661	Green
	17S662	Yellow
	17S663	White

## TYPICAL APPLICATIONS

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

## TYPICAL FLUIDS HANDLED

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze



## ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

## GRACO LOCATIONS

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All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



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