



Control handles and Electronic Meters



CONTROL-HANDLES AND ELECTRONIC METERS



Electronic Meters

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RAASM's electronic meters, besides gauging the liquid delivered, can show instant flow rates, provide a reset total and allow the setting of different units of measurement. RAASM's electronic meters are suitable for a wide variety of fluids, from low to medium to high viscosities, including lubricants, diesel fuel, antifreeze, window wash liquid and other fluids compatible with the material of the meter.

Flow rate 9.25 gpm



P/N 37780-55

Flow rate 18.5 gpm



P/N 37781-55

Flow rate 10.5 gpm Antifreeze and windshield washing fluid



P/N 37785-55

Flow rate	9.25 gpm
Compatible fluids	oil and lube products
Body's material	aluminum
Gear's material	POM
Inlet	1/2" (f) NPT
Outlet	1/2" (f) NPT
Max operating pressure	1.015 psi
Burst pressure	2.900 psi
Accuracy	± 0.3 %
Net weight	1 lb

No. 1 packing 0.05 ft³ 1.9 lb

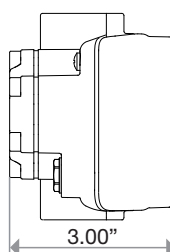
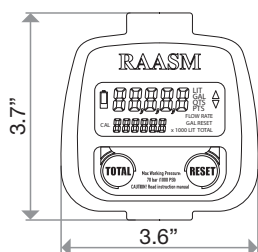
Flow rate	18.5 gpm
Compatible fluids	oil and similar products, diesel fuel
Body's material	aluminum
Gear's material	POM
Inlet	3/4" (f) NPT
Outlet	3/4" (f) NPT
Max operating pressure	1.015 psi
Burst pressure	2.900 psi
Accuracy	± 0.5 %
Net weight	2 lb

No. 1 packing 0.06 ft³ 2.2 lb

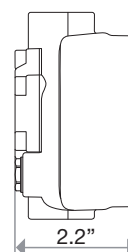
Flow rate	10.5 gpm
Compatible fluids	antifreeze and windshield washing fluid
Body's material	oxidized aluminum
Gear's material	PVDF
Inlet	1/2" (f) NPT
Outlet	1/2" (f) NPT
Max operating pressure	1.015 psi
Burst pressure	2.900 psi
Accuracy	± 0.5 %
Net weight	1 lb

No. 1 packing 0.05 ft³ 1.9 lb

OVERALL DIMENSIONS inches



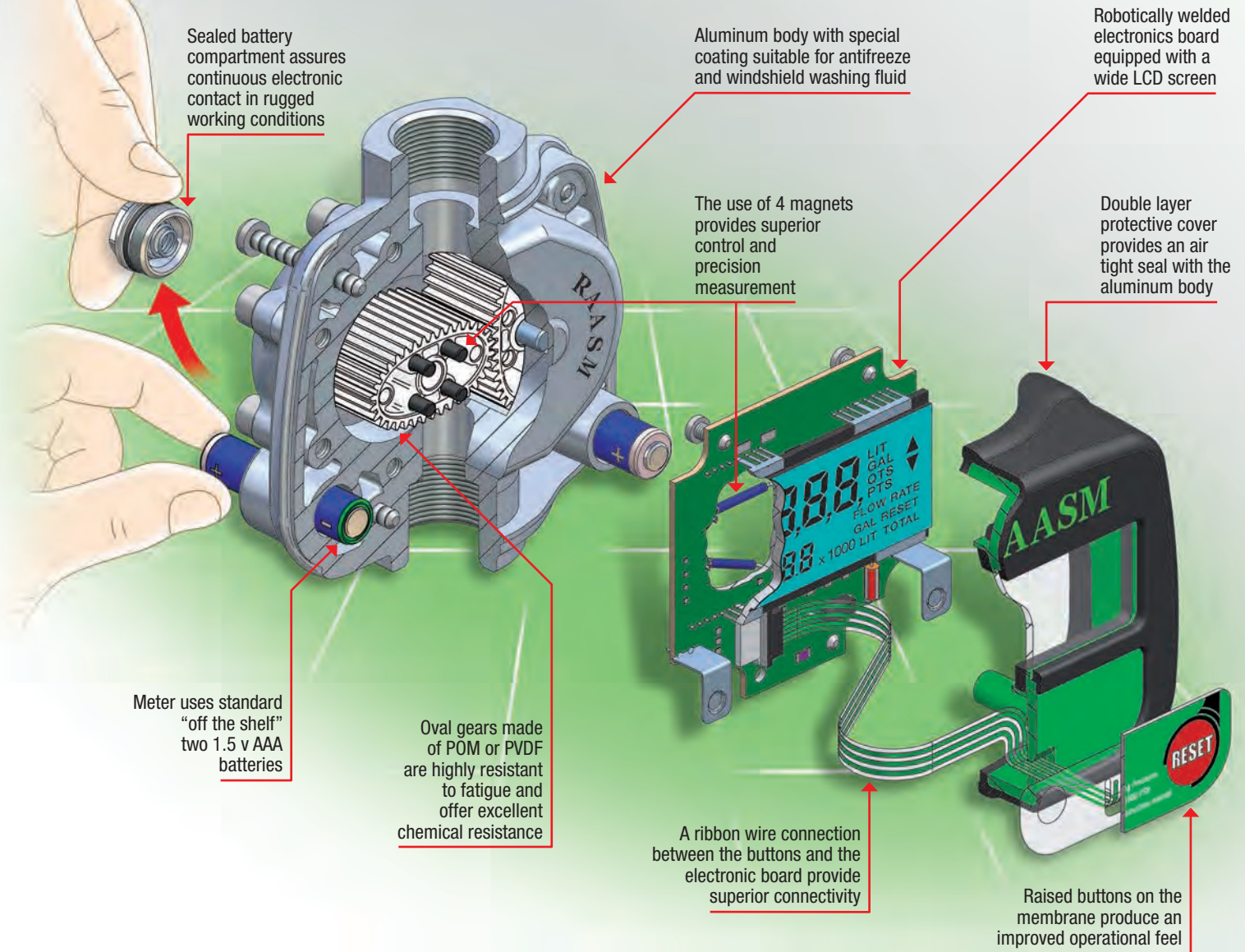
■ P/N 37781-55



■ P/N 37780-55 - 37785-55



Technical features



PERFORMANCE

Precision $\pm 0.3\%$

Repeatability 0.2 %

Pressure loss < 7 psi at max flow rate

Designed with a balanced opening valve and a sensitive and calibrated trigger for easy delivery in low and high pressure conditions.

► Series 40AP- 1/2" 1015 psi

► Series 65AP- 1/2" 1450 psi

► Series 70AP- 3/4" 1450 psi

► Series 85AP- 3/4" 1450 psi



Series 40AP- 1/2"

Oil handle series 40AP - L in aluminum alloy (see page 132) equipped with:

- balanced opening valve in brass, for even pressure on the lever in low and high pressure conditions
- inlet swivel joint 1/2" NPT (f)
- lever locking button
- flexible extension with semiautomatic nozzle \varnothing 0.63"
- fluid identification colored caps (supplied for all the range)

Series 65AP-1/2"

Oil handle series 65AP in aluminum alloy (see page 133) equipped with:

- balanced opening valve in brass, for even pressure on the lever in low and high pressure conditions
- inlet swivel joint 1/2" NPT (f)
- lever locking button
- flexible extension with semiautomatic nozzle \varnothing 0.83"
- fluid identification colored caps (supplied for all the range)

Series 70AP- 3/4"

Oil handle series 70AP in aluminum alloy (see page 134) equipped with:

- balanced opening valve in brass, for even pressure on the lever in low and high pressure conditions
- inlet swivel joint 3/4" NPT (f)
- lever locking button
- flexible extension with semiautomatic nozzle \varnothing 1.38"
- fluid identification colored caps (supplied for all the range)

Series 85AP-3/4"

Oil handle series 85AP high capacity in aluminum alloy (see page 135) equipped with:

- balanced opening valve in brass, for even pressure on the lever in low and high pressure conditions
- inlet swivel joint 3/4" NPT (f)
- lever locking button
- straight flexible extension with semiautomatic high delivery nozzle \varnothing 1.38"

	Series 40AP - 1/2"	Series 65AP - 1/2"	Series 70AP - 3/4"	Series 85AP - 3/4"
Delivery	10.6 gpm	17.2 gpm	18.5 gpm	22.5 gpm
Max. pressure	1015 psi	1450 psi	1450 psi	1450 psi
Inlet union	1/2" NPT (f)	1/2" NPT (f)	3/4" NPT (f)	3/4" NPT (f)
Seals	Viton	Viton	Viton	Viton

Colored caps

(included in series 40AP - 65AP -70AP)





Oil metered control handles Series 40AP-1/2"

P/N 37740-55

Grip in aluminum alloy for oil handle equipped with 1/2" NPT (f) inlet swivel joint, 3/8" BSP (f) outlet - lever locking button. For max pressure and flow rate refer to page 131



P/N 37731-55

Oil handle equipped with 1/2" NPT (f) inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle \varnothing 0.63" and lever locking button



P/N 37789-55

Oil handle with electronic meter P/N 37780-55 equipped with 1/2" NPT (f) inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle \varnothing 0.63"

P/N 37738-55

Oil handle equipped with 1/2" NPT (f) inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle \varnothing 0.63" and lever locking button

P/N 37739-55

Oil handle with electronic meter P/N 37780-55 equipped with 1/2" NPT (f) inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle \varnothing 0.63" and lever locking button

P/N 37786-55

Oil handle with electronic meter P/N 37780-55 equipped with 1/2" NPT (f) inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle \varnothing 0.63" and lever locking button



P/N 37750-55

Grip in aluminum for oil handle equipped with 1/2" NPT (f) inlet swivel joint, filter, 1/2" BSP (f) outlet and lever locking button
For max pressure and flow rate refer to page 131



P/N 37753-55

Oil handle equipped with 1/2" NPT (f) inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle \varnothing 0.83" and lever locking button



P/N 37779-55

Oil handle with electronic meter P/N 37780-55 equipped with 1/2" NPT (f) inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle \varnothing 0.83" and lever locking button



P/N 37761-55

Oil handle equipped with 1/2" NPT (f) inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle \varnothing 0.83" and lever locking button



P/N 37774-55

Oil handle with electronic meter P/N 37780-55 equipped with 1/2" NPT (f) inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle \varnothing 0.83" and lever locking button





Oil metered control handles Series 70AP-3/4"

P/N 37775-55

High delivery oil grip equipped with 3/4" NPT (f) inlet swivel joint, filter, 1/2" BSP (f) outlet and lever locking button. For max pressure and flow rate refer to page 131



P/N 37777-55

High flow rate oil handle equipped with 3/4" NPT (f) inlet swivel joint, filter, rigid terminal 45°, semiautomatic drip-catcher nozzle ø 1.38" and lever locking button



P/N 37798-55

High flow rate oil handle with electronic meter P/N 37781-55 equipped with 3/4" NPT (f) inlet swivel joint, filter, rigid terminal 45°, semiautomatic drip-catcher nozzle ø 1.38" and lever locking button



P/N 37776-55

High flow rate oil gun equipped with 3/4" NPT (f) inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 1.38" and lever locking button



P/N 37797-55

High flow rate oil gun with electronic meter P/N 37781-55 equipped with 3/4" NPT (f) inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 1.38" and lever locking button



P/N 33150-55

High delivery oil grip equipped with 3/4" NPT (f) inlet swivel joint, filter, 3/4" NPT (f) outlet and lever locking button.

For max pressure and flow rate refer to page 131

Lever locking button

**P/N 33152-55**

High delivery oil handle grip equipped with 3/4" NPT (f) inlet swivel joint, filter, lever locking button, rigid terminal and drip-catcher nozzle \varnothing 1.38"

**P/N 33147-55**

High delivery oil handle grip with electronic meter
P/N 37781-55 equipped with 3/4" NPT (f) inlet swivel joint, filter, lever locking button, rigid terminal and drip-catcher nozzle \varnothing 1.38"

**P/N 33151-55**

High delivery oil handle grip, equipped with 3/4" NPT (f) inlet swivel joint, flexible extension and drip-catcher nozzle \varnothing 1.38"

**P/N 33146-55**

High delivery oil handle grip with electronic meter
P/N 37781-55, 3/4" NPT (f) inlet swivel joint, flexible extension and drip-catcher nozzle \varnothing 1.38"





Antifreeze metered control handles Series 40AP-1/2"

P/N 37793-55

Antifreeze handle with electronic meter P/N 37785-55 equipped with 1/2" NPT (f) inlet swivel joint, filter, flexible terminal and semiautomatic drip-catcher nozzle \varnothing 0.63"



Windshield washing liquid metered control handles Series 40AN-1/2"

P/N 33445-55

Windshield washing liquid handle equipped with 1/2" NPT (f) inlet swivel joint, filter, high flow rate rigid terminal

P/N 33446-55

Windshield washing liquid handle with electronic meter P/N 37785-55 equipped with 1/2" NPT (f) inlet swivel joint, filter, high flow rate rigid terminal



Mechanical or electronic meters

P/N 37701-55

Mechanical meter (weight 2 lb) for oil, equipped with:

- connection 1/2" NPT (f) inlet/outlet
- quarter and gallon indicator with gallon totalizer

* Articles not manufactured by RAASM

*



P/N 37711-55

Electronic meter (weight 1.4 lb) for oil, equipped with:

- connection 1/2" NPT (f) inlet/outlet
- long-life battery powered

* Articles not manufactured by RAASM

*



P/N 37710-55

Electronic meter (weight 1.4 lb) for antifreeze liquid, equipped with:

- connection 1/2" NPT (f) inlet/outlet
- long-life battery powered ■ measures in quarts totalizes in gallons

* Articles not manufactured by RAASM

*



P/N 37708-55

Electronic meter (weight 1.8 lb) for oil, equipped with:

- connection 3/4" NPT (f) inlet/outlet
- long-life battery powered ■ measures in quarts totalizes in gallons

* Articles not manufactured by RAASM

*



P/N 37709-55

Preset digital dispensing control handle for oil equipped with:

- inlet swivel joint 1/2" NPT (f)
- flexible terminal
- automatic closing nozzle \varnothing 0.63"
- standard AA batteries
- stores up to 6 preset quantities plus last quantity

* Articles not manufactured by RAASM

*



P/N 37700-55

Mechanical metered control handle for oil (P/N 37701-55), equipped with:

- inlet swivel joint 1/2" NPT (f)
- flexible extension
- semiautomatic nozzle \varnothing 0.63"
- quarter and gallon indicator with gallon totalizer

* Articles not manufactured by RAASM

*



	P/N 37701-55	P/N 37711-55	P/N 37710-55	P/N 37708-55	P/N 37709-55	P/N 37700-55
Compatible fluids	oils, lubricants and allied products		antifreeze liquid	oils, lubricants and allied products		
Inlet	1/2" F	1/2" F	1/2" F	3/4" F	1/2" NPT (f)	1/2" NPT (f)
Outlet	1/2" F	1/2" F	1/2" F	3/4" F	-	-
Min. delivery	0.26 gpm	0.26 gpm	0.26 gpm	0.79 gpm	0.26 gpm	0.26 gpm
Max. delivery	8 gpm	9.24 gpm	9.24 gpm	15.84 gpm	5.25 gpm	8 gpm
Max. pressure	870 psi	1450 psi	1450 psi	1450 psi	1015 psi	1015 psi
Accuracy	+/- 0.5%	+/- 0.3%	+/- 0.5%	+/- 0.5%	+/- 0.5%	+/- 0.5%
Max. viscosity	SAE 240	SAE 240	SAE 30	SAE 240	SAE 240	SAE 240
Weight	2.2 lb	1.4 lb	1.4 lb	1.8 lb	-	-
Fluid temperature	-	-	-	-	max 122 °F	max 122 °F



Oil handles SERIES 40AP-1/2"

- P/N 38015-55
Semiautomatic
drip-catcher ø 0.39"

- P/N 38016-55
Semiautomatic
drip-catcher 0.63"

- P/N 38017-55
Semiautomatic
drip-catcher ø 0.32"

- P/N 38018-55
Semiautomatic
drip-catcher ø 0.32"
with curved spout

- P/N 38009-55
Flexible extension
with P/N 38016-55

- P/N 38010-55
Flexible extension
with P/N 38016-55

- P/N 38013-55
Rigid extension 45°
with P/N 38016-55

- P/N 38012-55
High delivery rigid
extension with
free outlet ø 0.79"

- P/N 38014-55
Flexible terminal with
semiautomatic curved
drip-catcher nozzle ø 0.32"



Lever locking
button



- P/N 38062-55
Swivel joint
for oil handle,
1/2" BSP (m)
x 1/2" NPT (f)

- P/N 37740-55
Grip in aluminum
alloy with 1/2" NPT (f) inlet
swivel joint and lever
locking button

Oil handles SERIES 65AP-1/2"

- P/N 38034-55
Semiautomatic
drip-catcher ø 0.83"

- P/N 38035-55
Semiautomatic
drip-catcher ø 1.06"

- P/N 38033-55
Flexible extension
with P/N 38034-55

- P/N 38031-55
Rigid extension 45°
with P/N 38034-55

- P/N 38032-55
High delivery rigid
extension free
outlet ø 0.79"



Lever locking
button



- P/N 38063-55
Swivel joint
for oil handle,
inlet 1/2" BSP (m)
x 1/2" NPT (f)

- P/N 37750-55
Grip in aluminum alloy
with inlet swivel
joint 1/2" NPT (f) and lever
locking button

Oil handle SERIES 70AP-3/4" - 85AP-3/4"

■ **P/N 38040-55**
High delivery semiautomatic
drip-catcher ø 1.38"



■ **P/N 38037-55**
High delivery
flexible extension
with P/N 38040-55



■ **P/N 38038-55**
High delivery
rigid extension 45°
with P/N 38040-55



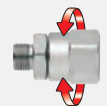
■ **P/N 38039-55**
High delivery
rigid extension
with free outlet ø 1.02"



Lever locking
button



■ **P/N 37775-55**
Grip in aluminum alloy with
inlet swivel joint 3/4" NPT (f)
and lever locking button



■ **P/N 38066-55**
Swivel joint
for oil handle,
inlet 3/4" BSP (m)
x 3/4" NPT (f)

Lever locking
button



■ **P/N 33150-55**
Grip in aluminum alloy with
inlet swivel joint 3/4" NPT (f)
and lever locking button



■ **P/N 38065-55**
Swivel joint
for oil handle,
3/4" BSP (m)
x 3/4" NPT (f)

High delivery grip Series 3/4"

Example of used 3/4" oil gun with
quick coupler for tank refilling



Inlet filter
supplied with all our oil,
antifreeze, windshield liquid
delivery gun

