

# ZEST ENGINEERING

## Oil meter (Total Reset LCD Display Oil Meter)



### Features

Our oil meter is developed by applying non-electric electromagnetic digital method (LCD display), differently from the previous mechanical flow meters, highly enhancing accuracy and durability to be applicable for a variety of purposes.

1. The detecting sensor and counter are combined, making it possible to read at sites directly.
2. The counter can be detached from the main body, making it possible to read at sites and read from the panel directly.
3. LCD display is adopted, providing luxurious exterior surface. Non-electric type, ensuring safety in terms of electricity
4. Easy to connect with previous systems due to its high compatibility
5. The battery lasts 8 years
6. Indication through 8-digit LCD display
7. Wide range of flows and maintaining of high level of accuracy
8. Easy to install due to its dimension conforming to previous products.

### Materials

- Outer Housing → FC20 (General)
- Toothed Rotor → Carbon composite resin
- Gear Shaft → Stainless steel
- O-Ring → Teflon (Special)

### Specification

Max. Pressure; 1MPa  
Max. Temperature; 100°C  
(Gasoline 40°C)  
Accuracy; Within ±0.5%  
Max. Registration; 999,999.99 Liter  
Min. Unit; 0.01 Liter  
Installation; Horizontally

### Flow range

Type / Diameter / Fluid		Gasoline	Heavy oil
		3~5cp	15~300cp
SST – 20ER	20mm	60~1000 l/h	60~1000 l/h
SST – 25ER	25mm	100~2000 l/h	100~2000 l/h
SST – 40ER	A	40mm	100~2500 l/h
	B	40mm	500~10000 l/h
SST – 50ER	A	50mm	500~10000 l/h
	B	50mm	1500~2500 l/h
SST – 80ER	80mm	1500~40000 l/h	1500~40000 l/h

### Exterior dimension

(Unit: mm)

Type	Gasoline/ Heavy oil							
	Length of the meter	Length of the filter	Height	Flange outer diameter	Hole center length	Bolt hole dimension	Bolt hole	Flange thickness
SST – 20ER	160	170	161	100	75	15	4	18
SST – 25ER	205	210	182	125	90	19	4	18
SST – 40AER	225	220	192	140	105	19	4	20
SST – 40BER	280	220	240	140	105	19	4	20
SST – 50AER	280	250	240	155	120	19	4	20
SST – 50BER	325	250	300	155	120	19	4	20
SST – 80ER	325	250	315	185	150	19	8	22

## Oil meter (Oval gear type)



### Materials

- Outer Housing → FC20 (General)
- Toothed Rotor → Carbon composite resin
- Gear Shaft → Stainless steel
- O-Ring → Teflon (Special)

1. High durability: The rotation gear of this flow meter is made of carbon, reducing the weight that is a weak point of products of copper alloy. It provides high sensitivity and maximized performance always.
2. Wide range of flows and highly precise accuracy.
3. Easy to install.
4. Luxurious design.
5. The pulse generator can be installed to allow the remote management if ordered to be designed so.

### Specification

Max. Pressure; 1MPa  
 Max. Temperature; 50°C  
 (Gasoline 40°C)  
 Accuracy; Within ±0.5%  
 Max. Registration; 999,999.99 Liter  
 Min. Unit; 0.01 Liter  
 Installation; Horizontally

### Flow range

Type / Diameter / Fluid		Gasoline	Heavy oil
		3~5cp	15~300cp
SST – 20	20mm	80~1000 l/h	80~1000 l/h
SST – 25	25mm	130~2500 l/h	130~2500 l/h
SST – 40	A 40mm	150~2500 l/h	150~2500 l/h
SST – 40	B 40mm	1000~10000 l/h	1000~10000 l/h
SST – 50	A 50mm	1000~10000 l/h	1000~10000 l/h
SST – 50	B 50mm	2500~25000 l/h	2500~25000 l/h
SST – 80	80mm	3000~40000 l/h	3000~40000 l/h

### Exterior dimension

(Unit: mm)

Type	Gasoline/ Heavy oil							
	Length of the meter	Length of the filter	Height	Flange outer diameter	Hole center length	Bolt hole dimension	Bolt hole	Flange thickness
SST – 20	160	170	161	100	75	15	4	18
SST – 25	205	210	182	125	90	19	4	18
SST – 40A	225	220	192	140	105	19	4	20
SST – 40B	280	220	240	140	105	19	4	20
SST – 50A	280	250	240	155	120	19	4	20
SST – 50B	325	250	300	155	120	19	4	20
SST – 80	325	250	315	185	150	19	8	22