

# Model: MX12S-1SE



1/2" Oval gear flow meter designed for the measurement of industrial solvents.

- Aluminium construction
- FEP - Teflon® encapsulated seals
- Max flow rate 30 LPM / 8 GPM
- Temperatures up to 120°C
- Accuracy +/- 0.5% (0.25% available)
- Available with BSP or NPT process connections
- Suitable for high viscosity fluids

## Select a Flowmeter

### Step 1.Size

12 (1/2")

### Step 2.Family

S series - SOLVENTS

### Step 3.Process Connection

1 - BSP (Rp)

### Step 4.Rotor Type

S - Standard

### Step 5.Pulser

E - 12mm LC Display (with outputs)

## Process Connection

Port Size	1/2"
Connection Type	BSP (Rp)

## Material of Construction

Body	Aluminium
Rotor	316SS
Bushing	Carbon
Seal	FEP (Teflon®)

## Technical Specifications

Flow Range	<5cps	>5cps
	3 - 25 LPM 0.8 - 6.6 GPM	2 - 30 LPM 0.5 - 8 GPM
Max Pressure	13790 kPa	2000 psi
Temperature	-20 - 60°C	-4 - 140°F
K-Factor	Refer to Flowmeter Data Plate	
Accuracy	+/- 0.5% (0.25% available with reduced range)	
Repeatability	+/- 0.03%	

## Service Kits

	Part Number	Description
Rotor Kit	MXS-12P-rotor	Rotor set and O-ring
Seal Kit	MXS-12S-seal	Meter Cap O-Ring - FEP (Teflon®)

## Accessories

SS Y Strainer	YS012-01
Air Eliminator/Strainer	N/A
Wall Mount Adaptor	MXA-12-WM
3 point cal check	MXA-3ptcal
Pressure test	MXA- PRESSTEST

# DIGITAL DISPLAY

## TYPE: E



### Type PRA 12mm LC Display (c/w outputs)

The PRA series is a meter mounted digital register with a 12mm LCD display, providing real-time indication of Flow rate, total and accumulated total. The output facilities include a 4-20mA, scaled pulse output and a High/Low flow alarm function.

### Construction

<b>Material</b>	Polypropylene	
<b>IP Rating</b>	67	
<b>Mounting</b>	Meter Mount	
<b>Connection</b>	M-Lock™	
<b>Cable Entry</b>	2x 12mm (blind)	
<b>Dimensions</b>	<b>Height (mm)</b>	<b>Diameter (mm)</b>
	48 mm	99 mm

### Technical Specifications

<b>Power Supply</b>	<b>Battery</b>	<b>External Pwr Supply</b>
	3V Lithium	18-30VDC
<b>Backup</b>	EEPROM Flash memory	
<b>Outputs</b>	4-20mA	
	Scaled Pulse	
	Hi/Lo Flow	

### Service Kits

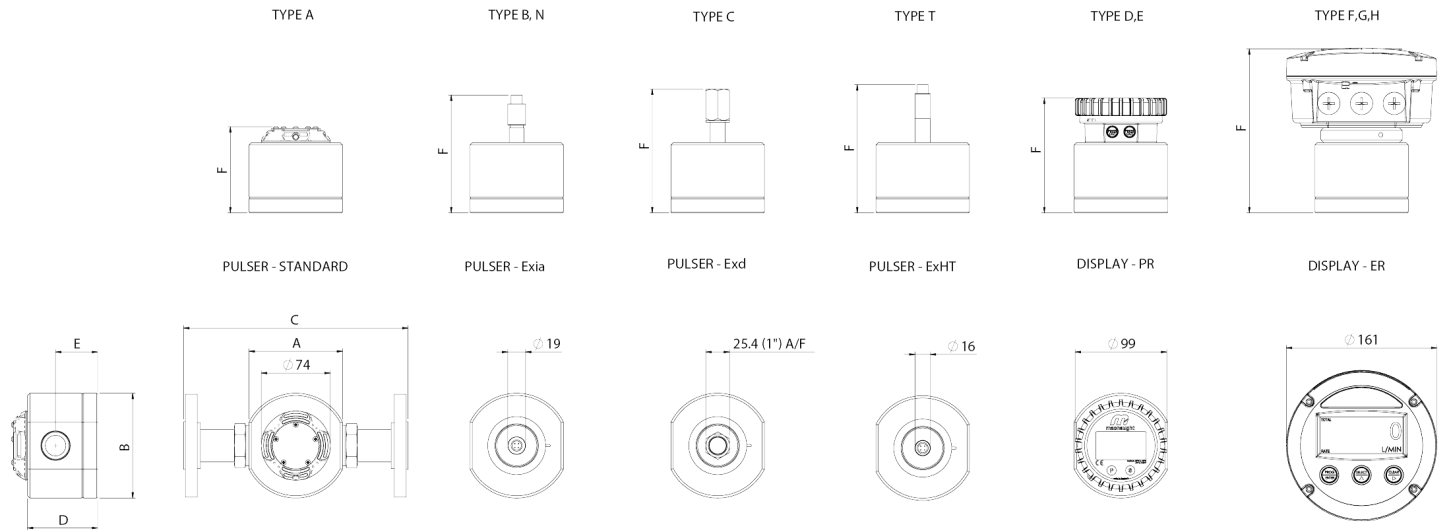
Part Number	Description
MXS-PCB-PR	PCB + Housing to suit display types D, E
MXS-DIS-PRA	LCD unit to suit Display PRA

### LC Display

Digital Size	Upper LCD	Lower LCD	
	7 digit / 12mm	7 digit / 7mm	
Display	Total	Acc Total	Flow Rate
	resettable	non-resettable	User defined units

# Dimensions

# MX12S-1SE



METER SIZE	METER AND FLANGE DIMENSIONS						PULSAR AND DISPLAY HEIGHT - F					
	PORT SIZE	A	B	C	D	E	TYPE A	TYPE B, N	TYPE C	TYPE T	TYPE D,E	TYPE F,G,H
MX06	1/4"	71	74	N/A	42	25	59	93	100	104	90	143
MX09	1/4"	71	74	N/A	42	24	59	93	100	104	90	143
MX12	1/2"	81	87	N/A	49	28	66	100	107	111	97	150
MX19	3/4"	100	112	N/A	62	37	79	113	120	124	110	163
MX25	1"	100	112	240	75	45	92	126	133	137	123	176
MX40	1 1/2"	120	137	240	103	61	120	154	161	165	151	204
MX50	2"	140	163	264	124	72	141	175	182	186	172	225