### flow meters



## Model: MX09P-1TE



1/4" Oval gear flow meter designed for a broad range of Industrial Process applications.

- Stainless Steel construction
- FEP Teflon® encapsulated seals
- Max flow rate 500 LPH / 132 GPH
- Temperatures up to 150°C
- Accuracy +/- 0.5% (0.25% available)
- Available with BSP or NPT Process connections
- Suitable for high viscosity fluids

#### **Select a Flowmeter**

#### **Technical Specifications**

Step 1.Size	Flow Range	<5cps	>5cps
09 (1/4")		25 -500 LPH	15 -500 LPH
Step 2.Family		6.6 - 132 GPH	4 - 132 GPH
P series -INDUSTRIAL	Max Pressure	6895 kPa	1000 psi
Step 3.Process Connection	Temperature	-20 - 60°C	-4 - 140°F
1 - BSP (Rp)	K-Factor	Refer to Flowmeter Dat	a Plate
Step 4.Rotor Type	Accuracy	+/- 0.5% (0.25% availa	ble with reduced range)
T - High Temp	Repeatability	+/- 0.03%	
Step 5.Pulser			

E - 12mm LC Display (with outputs)

#### **Process Connection**

Port Size	1/4"
<b>Connection Type</b>	BSP (Rp)

#### **Material of Construction**

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

#### **Service Kits**

	Part Number	Description
Rotor Kit	MXS-09P-HTrotor	Rotor set and
Seal Kit	MXS-09P-seal	Meter Cap O-

### d O-ring -Ring - FEP (Teflon®)

#### Accessories

SS Y Strainer
Air Eliminator/Strainer
Wall Mount Adaptor
3 point cal check
Pressure test

YS800-01
N/A
MXA-06-WM
MXA-3ptcal
MXA- PRESSTEST



### macnaught.com.au

### **Digital Display**



# 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.

#### **Technical Specifications**

	Power Supply	Battery	External Pwr Supply
		3V Lithium	18-30VDC
	Backup	EEPROM Flash memory	
	Outputs	4-20mA	
		Scaled Pulse	
er (mm)		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 Disply PRA

#### Construction

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

 $\mathbf{n}$ 

macnaught

CF

#### **LC Display**

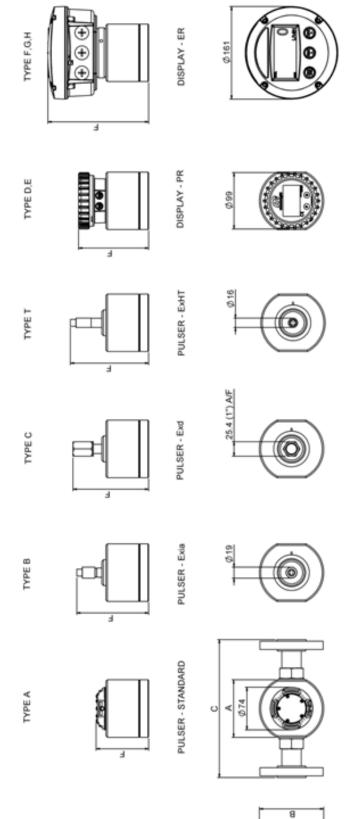
Digital Size	Upper LCD	Lower LCD	
	7 digit / 12mm	7 digit / 7mm	
Display	Total	Acc Total	Flow Rate
	resettable	non-resettable	User defined units



macnaught.com.au

### MX09P-1TE





w

٥

		M	METER AND FLANGE DIM	<b>IGE DIMENSIONS</b>	VS			PL	<b>JLSAR AND DIS</b>	PULSAR AND DISPLAY HEIGHT - F	L.	
METER SIZE	PORT SIZE	A	8	J	٥	E	TYPEA	TYPE B	TYPEC	TYPET	TYPE D,E	TYPE F,G,H
MX06	1/4"	71	74	N/A	42	25	59	93	100	104	90	143
60XM	1/4"	71	74	N/A	42	24	59	93	100	104	90	143
MX12	1/2"	81	87	N/A	49	28	99	100	107	111	97	150
MX19	3/4"	100	112	N/A	62	37	62	113	120	124	110	163
MX25	1"	100	112	240	75	45	92	126	133	137	123	176
MX40	11/2"	120	137	240	103	61	120	154	161	165	151	204
MX50	2"	140	163	264	124	72	141	175	182	186	172	225

