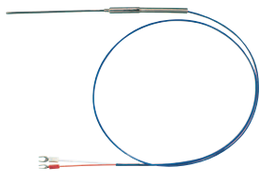
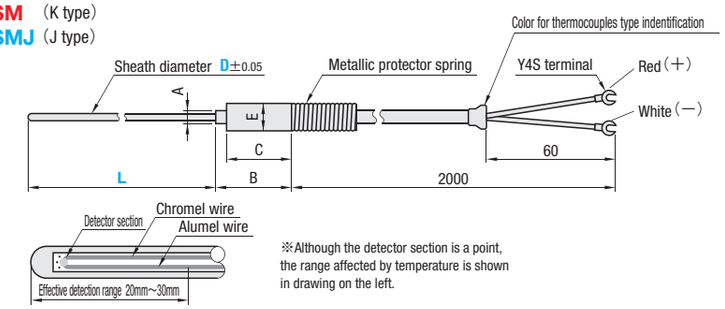
THERMOCOUPLES

MORE ITEMS　SGP Stock　Printed in Red

The quantity discount rate is also applicable to alteration cost.
All price & lead time are to be quoted.



SSM (K type)
SSMJ (J type)



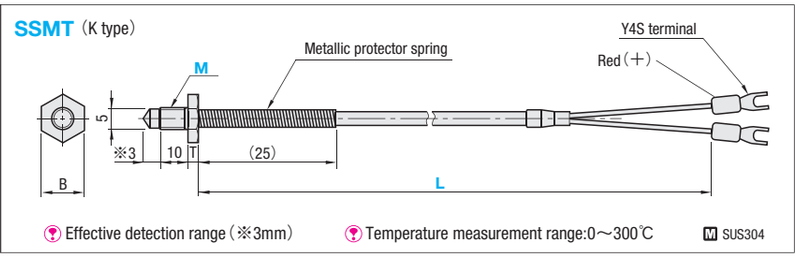
※Although the detector section is a point, the range affected by temperature is shown in drawing on the left.

Effective detection range (20～30mm from the tip)

M SUS316

Thermocouples type (Color)	Strand resistance Ω/m	A	B	C	E	Max. usable temperature	Catalog No. Type	Catalog No. D	L 50mm increments	U/Price for 1～9 L50	L100	L150	L200	L250	L300
K type (Blue)	52.0	2.7	35	30	6.0	500℃	SSM	1	50～300						
	20.0					600℃		1.6							
	9.8	4.5			8.0	700℃		2.3					Quotation		
	5.0					750℃		3.2							
	2.25	6.3				800℃		4.8							
J type (Yellow)	3.2	4.5	35	30	8.0	650℃	SSMJ	3.2	50～150				—	—	—
	1.4	6.3				750℃		4.8					—	—	—

SSMT (K type)



Effective detection range (※3mm)　Temperature measurement range:0～300℃

M SUS304

B	T	Catalog No. Type	Catalog No. M	L	U/Price 1～9 L1000	L2000	L4000
10	4	SSMT	6	1000 2000 4000	Quotation		
13	5.3		8				

Stock only available for SSMT6—2000

Order

Catalog No.	—	L
SSM1	—	50
SSMT6	—	1000

Delivery

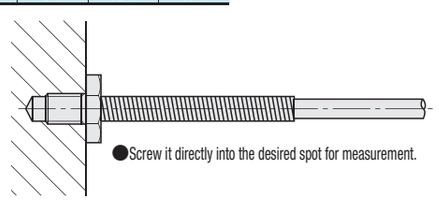
• Printed in Red　SGP Stock　• Printed in Blue　3 Days

For area out of Singapore please refer to P.i.

Quantity discount rate

Quantity	1～9	10～19	20～49	50～100
Rate	—	5%	10%	15%

Example



●Screw it directly into the desired spot for measurement.

■Specifications

Catalog No.	SSM	SSMJ	SSMT
Heat resistance temperature (wire)	200℃		
Contact	Isolated neutral system		Earthed neutral system
Thermocouples type	K type	J type	K type
Thermo-electric power	Corresponds to JIS-C1602 (0.75 Class)		

■Notes

- Maximum bending radius (SSM・SSMJ) of the sheath is 5 times of its diameter (except the area within 30mm from the tip which cannot be bent).
- Bound the tip on the plate for SSM,SSMJ and SSMT.

■Guide for thermocouples type

Thermocouples type	Color	Chromel wire	Alumel wire	Usable temperature	Max. usable temperature*	Application
K type	Blue	Chromel	Alumel	−200℃～1000℃	1200℃	Most commonly used type for industrial applications.Exhibits a linear relationship between temperature and thermoelectromotive force.
J type	Yellow	Steel	Constantan	0℃～ 600℃	750℃	Has high thermoelectromotive characteristics. Used in the medium temperature zone for industrial applications.

*The maximum temperature used differs according to the strand diameter,so use it only as a rough guide.

SHOT COUNTERS FOR MOLD

MORE ITEMS　SGP Stock　Printed in Red

The quantity discount rate is also applicable to alteration cost.
All price & lead time are to be quoted.

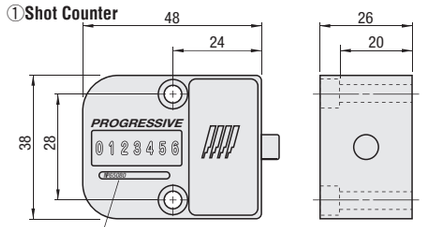
①Shot Counter

ID Plates for tool identification

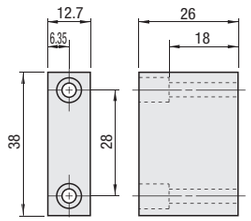
②Actuation Block

M—CVPL (Parting line mount type) only①
M—CVEX (External mount type) ①+②

①Shot Counter



②Actuation Block

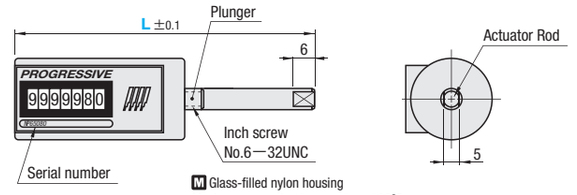


ID Plate design is subject to change without prior notice.

① M Glass-filled nylon housing
A Socket Head Cap Screws M4—. 7×25 2pieces
ID Plates for tool identification
Maximum operating temperature 120℃

② M Steel
A Socket Head Cap Screws M4—. 7×25 2pieces

M—CVR (Round type)

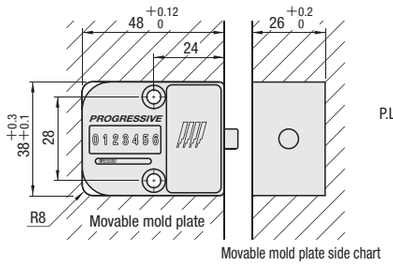


M Glass-filled nylon housing
Maximum operating temperature 120℃

A Actuator Rod
M S45C
S Electroless Nickel Plating

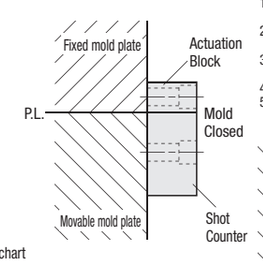
■ Mounting dimensions and method

M—CVPL (Parting line mount type)



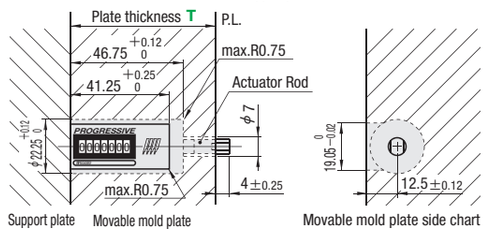
Movable mold plate side chart

M—CVEX (External mount type)



M—CVR

1. Bore the holes for the counter and actuator rod to the dimensions shown in the figure below, from the rear of the movable mold plate.
2. Slot an opening for the display panel of the counter to the dimensions shown in the figure below.
3. Screw the actuator rod into the plunger and insert the counter from the rear of the mold plate.
4. Ensure that the actuator rod protrudes 4.0mm above the parting line.
5. Retain the bottom of the counter with the support plate.



Movable mold plate side chart

Catalog No.	U/Price 1～9
M—CVPL (only①)	Quotation

Catalog No.	U/Price 1～9
M—CVEX (①+②)	Quotation

Catalog No.	L 0.1mm increments	U/Price 1～9
M—CVR	60.0～124.0	Quotation

■ Features

- Counting is actuated mechanically, no miscount will occur if counter is installed correctly.
- Each counter has a different serial number that will be used to identify the counter with the mold.
- Counters are sold in random order.
- ID Plate for tool identification is included for M-CVPL and M-CVEX only. Apply the adhesive seal at the back of the ID Plate to the front of the counter.

■ Notes

- The Counter is non-resettable mechanical.
- For mold testing purposes, the 7-digit indicator does not start from 0 (a value of 999980 will be shown).
- M-CVR Counter : Ensure that the actuator rod has a stroke of 4.0mm±0.25.

■ Method of specifying the L dimension

L=Movable mold plate thickness T+actuator rod protrusion of 4.0mm

- Specify taking into account the tolerance of the mold plate thickness T.
- The protruding part of the actuator rod is the stroke of the actuator rod. If the stroke is less than 3.75 mm, the counter will not work. Conversely, if the stroke exceeds 4.25mm, the counter may be damaged when the mold closes.

Order

Catalog No.	—	L
M—CVPL M—CVEX M—CVR	—	64.2

Delivery

• M—CVPL・M—CVEX　SGP Stock　• M—CVR　5 Days

For area out of Singapore please refer to P.i.

Quantity discount rate

Quantity	1～9	10～50
Rate	—	10%