



**SIFAM**  
COMPONENTS DIVISION



### Key features

- ◆ Flexible styling – 4 sizes each in four styles
- ◆ High quality modular construction
- ◆ Taut band core magnet movements

# Presentor

## *Meter types 19, 29, 39, 49*

The Presentor range of analogue moving coil instruments is available in four sizes each in four styles. The modern flexible styling meets today's stringent design and economic requirements.

### Features and benefits

- ◆ Choice of four styles available in each size
  - Simple back of panel mounting
  - Back of panel mounting with accompanying bezel
  - Front of panel mounting with lower mask
  - Front of panel mounting with full bezel
- ◆ Constructed with transparent acrylic front and high impact translucent rear body moulding. Masks and bezels, available in black or grey, are moulded in ABS.
- ◆ Taut band core magnet movement incorporated as standard within a compact 26mm diameter barrel. There is no calibration effect when mounted on a ferrous panel

### Pointers and dials

Pointers and dial markings are normally in accordance with the current BS3693 requirements. Other types of pointer and/or custom dial markings together with company logos, including colour printing can be provided to suit individual requirements. Centre or right-hand zero scales are available if required. Mirror dials can be supplied (except for type 19).

### Accuracy

All SIFAM meters are normally supplied/designed to meet the requirements of current BS89, IEC 51, EN60 051 and ANSI C39.1 standards.

### Calibration

For vertical use unless otherwise specified.

### Zero adjuster

Normally positioned on the front of surface mounted styles and on the rear of behind panel styles. Reverse options to these may be specified.

### Certified drawings

Available on request.

### Operating Temperature

-25°C to +55°C.

### Audio level indicators

All of the Presentor meters are available in this version (except type 49). Please refer to SIFAM for specific information.

### Illumination

Comprehensive options are available. Please refer to back page for more information.

### Terminals

6mm tabs are supplied as standard but threaded studs or flying leads are available. Please refer to back page for more information.

Presentor

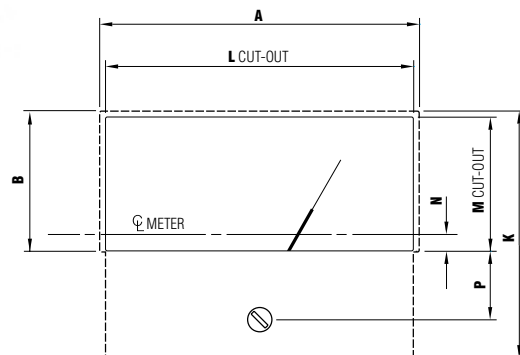
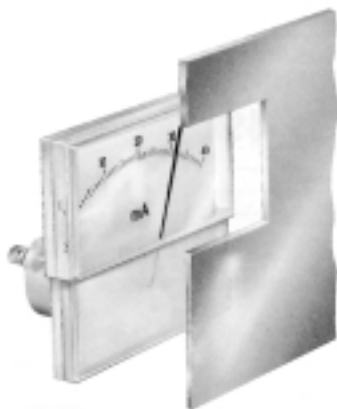
# Presentor

## Presentor Style W

For back of panel mounting with only the scale and pointer visible.

Types: **19W, 29W, 39W, 49W**

Meter barrel cut out 27.0mm/1.06"  
Fixing studs M2.5x10.0mm/0.39"  
(except type 19: M2)



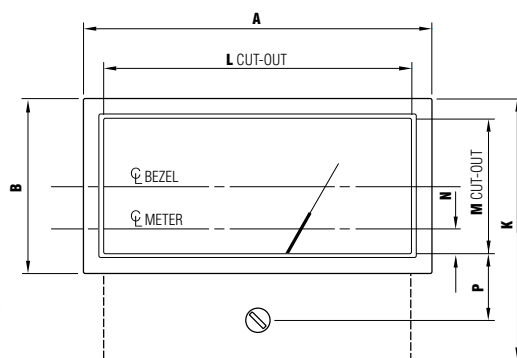
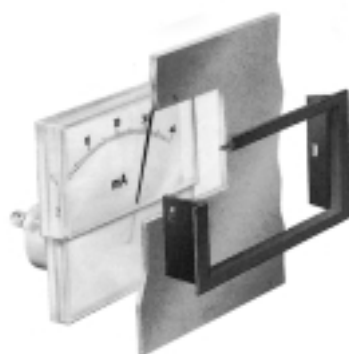
6.00mm/0.24" hole required when optional front zero is specified

## Presentor Style WF

For back of panel mounting with bezel and with only the scale and pointer visible.

Types: **19WF, 29WF, 39WF, 49WF**

Max panel thickness 4.0mm/0.16"  
(except type 19: 3.0mm/0.12")  
Meter barrel cut out 27.0mm/1.06"  
Fixing studs M2.5x10.0mm/0.39"  
(except type 19: M2)



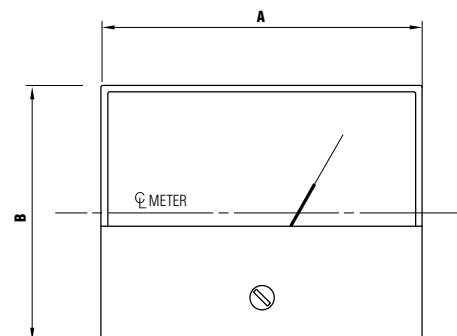
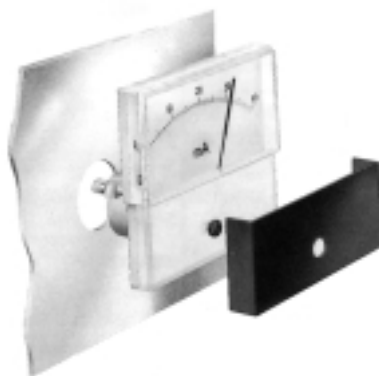
6.00mm/0.24" hole required when optional front zero is specified

## Presentor Style M

For front of panel mounting with lower mask.

Types: **19M, 29M, 39M, 49M**

Max panel thickness 6.0mm/0.24"  
Meter barrel cut out 27.0mm/1.06"  
Fixing studs M2.5x10.0mm/0.39"  
(except type 19: M2)

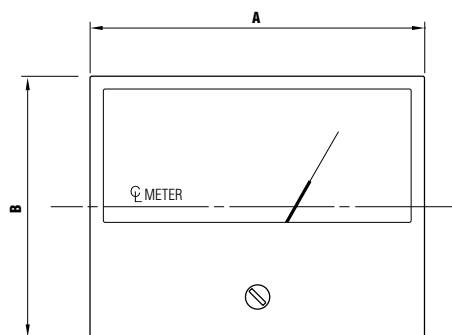


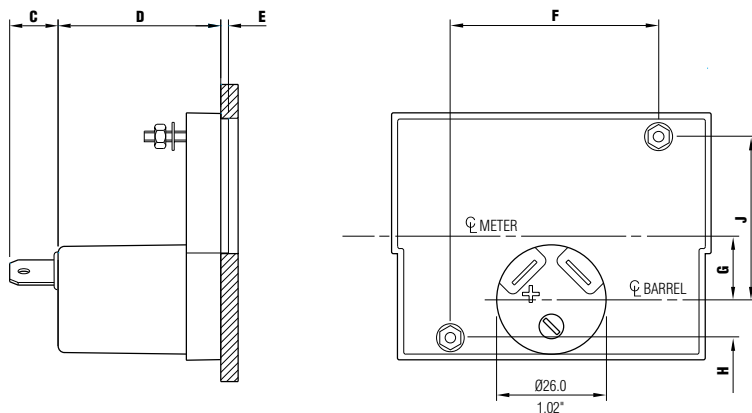
## Presentor Style B

For front of panel mounting with full bezel.

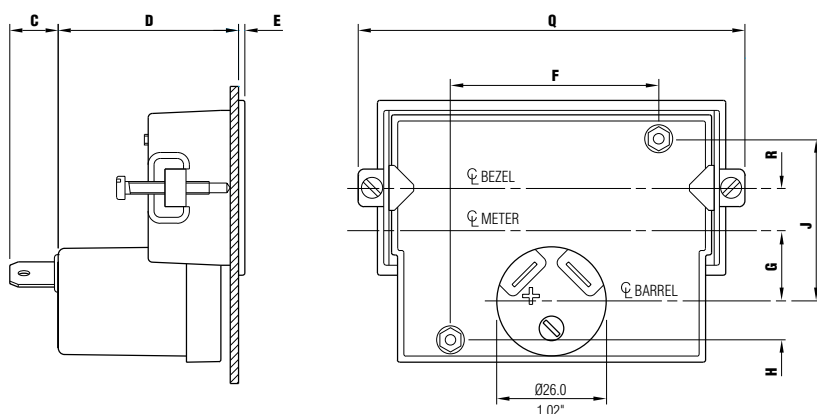
Types: **19B, 29B, 39B, 49B**

Max panel thickness 6.0mm/0.24"  
Meter barrel cut out 27.0mm/1.06"  
Fixing studs M2.5x10.0mm/0.39"  
(except type 19: M2)

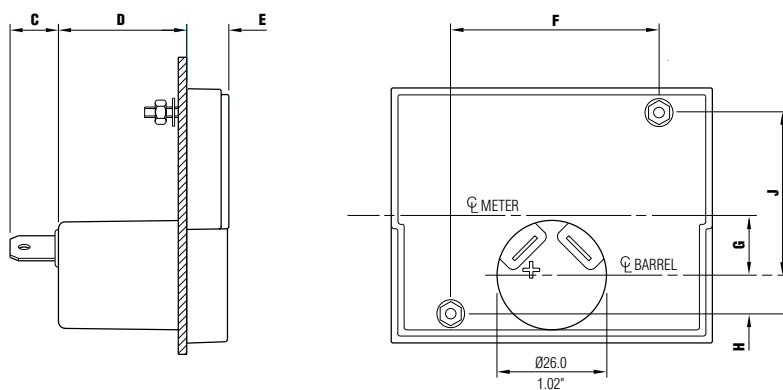




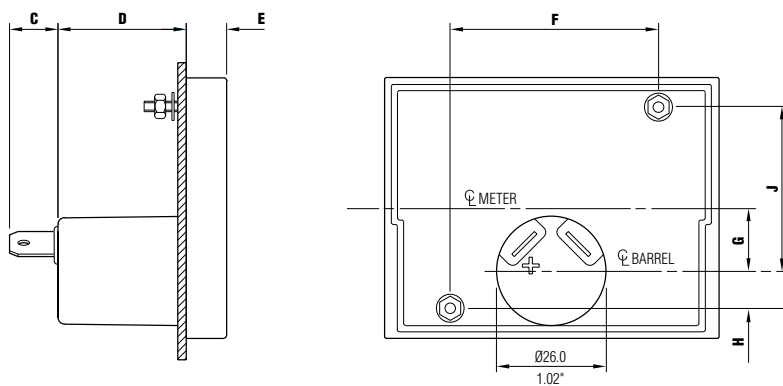
|          | 19W                                                          |        | 29W   |        | 39W   |        | 49W                                                          |        |
|----------|--------------------------------------------------------------|--------|-------|--------|-------|--------|--------------------------------------------------------------|--------|
|          | mm                                                           | inches | mm    | inches | mm    | inches | mm                                                           | inches |
| <b>A</b> | 43.9                                                         | 1.73   | 76.1  | 2.99   | 94.0  | 3.70   | 124.0                                                        | 4.88   |
| <b>B</b> | 21.0                                                         | 0.82   | 33.3  | 1.31   | 41.9  | 1.65   | 57.1                                                         | 2.25   |
| <b>C</b> | 11.5                                                         | 0.45   | 11.5  | 0.45   | 11.5  | 0.45   | 11.5                                                         | 0.45   |
| <b>D</b> | 37.2                                                         | 1.46   | 38.7  | 1.52   | 39.2  | 1.54   | 40.3                                                         | 1.59   |
| <b>E</b> | 1.50                                                         | 0.06   | 1.80  | 0.07   | 2.00  | 0.08   | 2.10                                                         | 0.08   |
| <b>F</b> | 32.0                                                         | 1.26   | 47.8  | 1.88   | 57.2  | 2.25   | 92.0                                                         | 3.62   |
| <b>G</b> | 4.70                                                         | 0.18   | 15.0  | 0.59   | 20.9  | 0.82   | 26.9                                                         | 1.06   |
| <b>H</b> | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        | 9.70  | 0.38   | 8.60  | 0.34   | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        |
| <b>J</b> |                                                              |        | 38.0  | 1.50   | 48.5  | 1.91   |                                                              |        |
| <b>K</b> | 37.9                                                         | 1.49   | 58.8  | 2.32   | 72.4  | 2.85   | 93.0                                                         | 3.66   |
| <b>L</b> | 42.4                                                         | 1.66   | 73.66 | 2.90   | 91.50 | 3.60   | 121.00                                                       | 4.76   |
| <b>M</b> | 20.20                                                        | 0.79   | 32.26 | 1.27   | 40.50 | 1.59   | 55.50                                                        | 2.19   |
| <b>N</b> | 2.0                                                          | 0.08   | 3.90  | 0.15   | 5.70  | 0.22   | 10.6                                                         | 0.42   |
| <b>P</b> | 9.90                                                         | 0.39   | 16.1  | 0.63   | 20.4  | 0.80   | 21.5                                                         | 0.85   |



|          | 19WF                                                         |        | 29WF |        | 39WF  |        | 49WF                                                         |        |
|----------|--------------------------------------------------------------|--------|------|--------|-------|--------|--------------------------------------------------------------|--------|
|          | mm                                                           | inches | mm   | inches | mm    | inches | mm                                                           | inches |
| <b>A</b> | 49.2                                                         | 1.94   | 82.8 | 3.26   | 101.0 | 3.98   | 131.0                                                        | 5.16   |
| <b>B</b> | 27.0                                                         | 1.06   | 41.6 | 1.64   | 50.5  | 1.99   | 65.6                                                         | 2.58   |
| <b>C</b> | 11.5                                                         | 0.45   | 11.5 | 0.45   | 11.5  | 0.45   | 11.5                                                         | 0.45   |
| <b>D</b> | 40.8                                                         | 1.61   | 42.9 | 1.69   | 43.4  | 1.71   | 44.5                                                         | 1.75   |
| <b>E</b> | 1.50                                                         | 0.06   | 1.50 | 0.06   | 1.6   | 0.06   | 1.70                                                         | 0.07   |
| <b>F</b> | 32.0                                                         | 1.26   | 47.8 | 1.88   | 57.2  | 2.25   | 92.0                                                         | 3.62   |
| <b>G</b> | 6.10                                                         | 0.24   | 16.7 | 0.66   | 22.7  | 0.89   | 28.7                                                         | 1.13   |
| <b>H</b> | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        | 9.70 | 0.38   | 8.60  | 0.34   | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        |
| <b>J</b> |                                                              |        | 38.0 | 1.50   | 48.5  | 1.91   |                                                              |        |
| <b>K</b> | 40.6                                                         | 1.60   | 62.2 | 2.45   | 76.1  | 2.99   | 96.5                                                         | 3.80   |
| <b>L</b> | 47.0                                                         | 1.85   | 80.0 | 3.15   | 98.0  | 3.86   | 128.0                                                        | 5.04   |
| <b>M</b> | 24.0                                                         | 0.94   | 37.0 | 1.46   | 46.0  | 1.81   | 61.0                                                         | 2.40   |
| <b>N</b> | 5.20                                                         | 0.20   | 8.10 | 0.32   | 10.2  | 0.40   | 15.1                                                         | 0.59   |
| <b>P</b> | 8.00                                                         | 0.31   | 13.7 | 0.54   | 17.7  | 0.70   | 18.8                                                         | 0.74   |
| <b>Q</b> | 58.5                                                         | 2.30   | 90.6 | 3.57   | 108.6 | 4.28   | 139.7                                                        | 5.50   |
| <b>R</b> | 6.80                                                         | 0.27   | 10.3 | 0.41   | 12.8  | 0.50   | 15.4                                                         | 0.61   |



|          | 19M                                                          |        | 29M  |        | 39M  |        | 49M                                                          |        |
|----------|--------------------------------------------------------------|--------|------|--------|------|--------|--------------------------------------------------------------|--------|
|          | mm                                                           | inches | mm   | inches | mm   | inches | mm                                                           | inches |
| <b>A</b> | 43.9                                                         | 1.73   | 76.1 | 2.99   | 94.0 | 3.70   | 124.0                                                        | 4.88   |
| <b>B</b> | 38.8                                                         | 1.53   | 60.3 | 2.37   | 74.0 | 2.91   | 94.6                                                         | 3.72   |
| <b>C</b> | 11.5                                                         | 0.45   | 11.5 | 0.45   | 11.5 | 0.45   | 11.5                                                         | 0.45   |
| <b>D</b> | 31.2                                                         | 1.23   | 30.5 | 1.20   | 30.2 | 1.19   | 30.2                                                         | 1.19   |
| <b>E</b> | 7.50                                                         | 0.30   | 10.0 | 0.39   | 11.0 | 0.43   | 12.2                                                         | 0.48   |
| <b>F</b> | 32.0                                                         | 1.26   | 47.8 | 1.88   | 57.2 | 2.25   | 92.0                                                         | 3.62   |
| <b>G</b> | 4.20                                                         | 0.17   | 14.2 | 0.56   | 20.0 | 0.79   | 26.1                                                         | 1.03   |
| <b>H</b> | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        | 9.70 | 0.38   | 8.60 | 0.34   | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        |
| <b>J</b> |                                                              |        | 38.0 | 1.50   | 48.5 | 1.91   |                                                              |        |

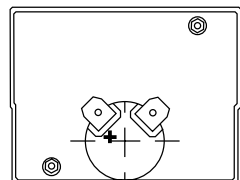
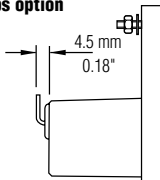


|          | 19B                                                          |        | 29B  |        | 39B  |        | 49B                                                          |        |
|----------|--------------------------------------------------------------|--------|------|--------|------|--------|--------------------------------------------------------------|--------|
|          | mm                                                           | inches | mm   | inches | mm   | inches | mm                                                           | inches |
| <b>A</b> | 46.0                                                         | 1.81   | 79.5 | 3.13   | 97.5 | 3.84   | 127.7                                                        | 5.03   |
| <b>B</b> | 40.0                                                         | 1.57   | 61.9 | 2.44   | 76.4 | 3.01   | 96.6                                                         | 3.80   |
| <b>C</b> | 11.5                                                         | 0.45   | 11.5 | 0.45   | 11.5 | 0.45   | 11.5                                                         | 0.45   |
| <b>D</b> | 31.2                                                         | 1.23   | 30.5 | 1.20   | 30.2 | 1.19   | 30.2                                                         | 1.19   |
| <b>E</b> | 7.50                                                         | 0.30   | 10.0 | 0.39   | 11.0 | 0.43   | 12.2                                                         | 0.48   |
| <b>F</b> | 32.0                                                         | 1.26   | 47.8 | 1.88   | 57.2 | 2.25   | 92.0                                                         | 3.62   |
| <b>G</b> | 4.8                                                          | 0.19   | 15.0 | 0.59   | 20.8 | 0.82   | 26.9                                                         | 1.06   |
| <b>H</b> | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        | 9.70 | 0.38   | 8.60 | 0.34   | Fixing studs in same horizontal plane above C/L 7.0mm(0.28") |        |
| <b>J</b> |                                                              |        | 38.0 | 1.50   | 48.5 | 1.91   |                                                              |        |

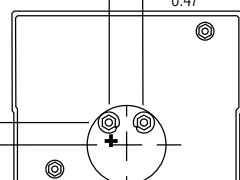
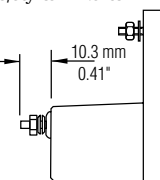
# Presenter

## Terminals

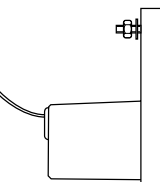
**Bent tabs option**



**Screw terminals option**  
All types/styles M2.5 terminals



**Flying leads option**



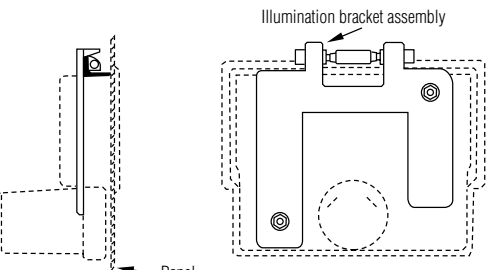
Also available with reduced barrel depth - special order only

| Type | Barrel Depth |
|------|--------------|
| 19   | 29.2mm/1.15" |
| 29   | 28.5mm/1.12" |
| 39   | 28.2mm/1.11" |
| 49   | 28.3mm/1.11" |

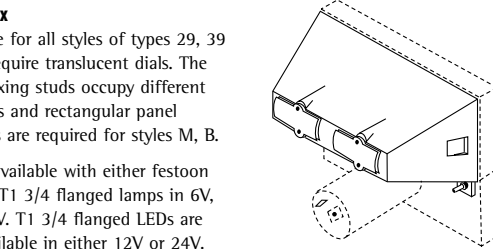
## Illumination

This is available in either of the two forms shown below and should be specified at the time of ordering meters.  
Please contact the sales office for full information and drawings.

**Overhead**  
Available for types 19W, 19WF, 29W, 29WF, 39W, 39WF  
Unit contains Ø6mm festoon style lamp available in 6V, 12V, or 24V



**Light Box**  
Available for all styles of types 29, 39 which require translucent dials. The meter fixing studs occupy different positions and rectangular panel cut-outs are required for styles M, B.



Unit is available with either festoon style or T1 3/4 flanged lamps in 6V, 12V, 24V. T1 3/4 flanged LEDs are also available in either 12V or 24V.

## Standard ranges

If the required range is not indicated by a symbol please enquire as it may be possible to supply to your special requirements

| Range  | DC |    |    |   | AC |    |    |   |
|--------|----|----|----|---|----|----|----|---|
|        | V  | µA | mA | A | V  | µA | mA | A |
| 0-1    | ●* |    | ●  | ● | ●  |    | ●  | ■ |
| 0-1.5  |    |    |    |   |    |    |    |   |
| 0-2    | ●  |    |    | ● | ●  |    |    |   |
| 0-2.5  |    |    |    | ◆ |    |    |    |   |
| 0-3    | ●  |    | ●  | ◆ | ●  |    |    |   |
| 0-5    | ●  |    | ●  | ◆ | ●  |    | ●  | ■ |
| 0-10   | ●  |    | ●  | ◆ | ●  |    | ●  | ■ |
| 0-12   |    |    |    |   |    |    |    |   |
| 0-15   |    |    | ●  |   |    |    |    |   |
| 0-20   | ●  |    | ●  | ▲ | ●  |    | ●  | ■ |
| 0-25   |    |    |    | ▲ |    |    |    |   |
| 0-30   | ●  |    | ●  | ▲ | ●  |    | ●  | ■ |
| 0-40   | ●  |    | ●  | ▲ | ●  |    | ●  |   |
| 0-50   | ●  | ●  | ●  | ▲ | ●  | ●  | ●  | ■ |
| 0-100  | ●  | ●  | ●  | ▲ | ●  | ●  | ●  | ■ |
| 0-120  | ●  |    | ●  |   | ●  |    |    |   |
| 0-150  | ●  |    | ●  |   | ●  |    |    | ■ |
| 0-200  | ●  | ●  | ●  | ▲ | ●  | ●  | ■  |   |
| 0-250  | ●  | ●  | ●  | ▲ | ●  | ●  |    |   |
| 0-300  |    |    |    | ▲ |    |    |    |   |
| 0-400  |    |    | ●  |   |    |    |    |   |
| 0-500  |    | ●  | ●  | ▲ |    | ●  | ■  |   |
| 0-1000 | ✓  |    |    | ▲ | ✓  |    |    |   |
| 0-1500 | ✓  |    |    | ▲ | ✓  |    |    |   |
| 0-2000 | ✓  |    |    | ▲ |    |    |    |   |

- Self contained.
- ◆ Complete with external tag board.
- ▲ 75mV - external shunt required.
- ✓ Complete with external resistance box.
- \* Millivoltmeters can be supplied on request.
- Complete with external transformer.

## Terminal resistance

| Range | Tolerance ± 15% | Range | Tolerance ± 15% |
|-------|-----------------|-------|-----------------|
| 50µA  | 2000Ω           | 250µA | 255Ω            |
| 100µA | 1000Ω           | 500µA | 155Ω            |
| 200µA | 365Ω            | 1mA   | 50Ω             |

## Accuracy

| Type | Scale length  | DC    | AC Rectifier |
|------|---------------|-------|--------------|
| 19   | 34.0mm/1.34"  | ±2.5% | ±2.5%        |
| 29   | 60.0mm/2.36"  | ±1.5% | ±2.5%        |
| 39   | 78.0mm/3.07"  | ±1.5% | ±2.5%        |
| 49   | 100.0mm/3.94" | ±1.5% | ±1.5%        |

## Weight

| Type | Nett Weight | Type | Nett Weight |
|------|-------------|------|-------------|
| 19   | 40g/1.4oz   | 39   | 90g/2.8oz   |
| 29   | 65g/2.3oz   | 49   | 130g/4.6oz  |

As part of our policy of continuous product improvement we reserve the right to change specifications at any time.



**SIFAM**  
COMPONENTS DIVISION

**SIFAM LIMITED**  
WOODLAND ROAD TORQUAY DEVON  
TQ2 7AY ENGLAND  
**TEL: 01803 407733** FAX: 01803 407740  
Sifam\_ComponentsUK@compuserve.com  
www.sifam.com

SIFAM - The plastics and measurement technology group



Certificate No. 851037

As part of our policy of continuous product improvement we reserve the right to change specifications at any time.