

## Bargraph Indicators 48 Series

# BARGRAPH INDICATOR

MODEL **48SV**

### MODEL & SUFFIX CODE SELECTION

48SV-1R□□-□

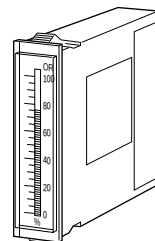
MODEL \_\_\_\_\_  
 BAR GRAPHS \_\_\_\_\_  
 1 : Single  
 LED COLOR \_\_\_\_\_  
 R : Red  
 INSTALLATION \_\_\_\_\_  
 V : Vertical  
 H : Horizontal  
 INPUT \_\_\_\_\_  
 Current  
 A : 4 – 20mA DC  
 G : 0 – 1mA DC  
 Voltage  
 3 : 0 – 1V DC  
 5 : 0 – 5V DC  
 6 : 1 – 5V DC  
 POWER INPUT \_\_\_\_\_  
 R : 24V DC  
 T : 5V DC

### ORDERING INFORMATION

Specify code number. (e.g. 48SV-1RVA-T)

### GENERAL SPECIFICATIONS

**Construction:** panel flush mounting  
**Connection:** connector (leadwires soldered)  
**Material**  
     **Housing:** ABS resin  
     **Scale plate:** aluminium (white scale & characters on black base)  
**Scale:** 0 – 100%  
**Indicator:** LED  
**No. of LED segments:** 52 including over-range indicator "1"  
**Scale length:** 50 mm (1.97")  
**Isolation:** input to power



### Functions & Features

- Displaying a process variable in graphic bargraph of 51 LED segments
- Small size
- High-density mounting

### INPUT & OUTPUT

#### INPUT

• **DC Current:** 4 – 20mA DC, 0 – 1mA DC

**Input resistance**

| Input    | Input Resistance |
|----------|------------------|
| 4 – 20mA | : 5.1 (Ω)        |
| 0 – 1mA  | : 100            |

• **DC Voltage:** 0 – 1V DC, 0 – 5V DC or 1 – 5V DC

**Input resistance**

| Input Span | Input Resistance |
|------------|------------------|
| 0 – 1V     | : 200k (Ω)       |
| 0 – 5V     | : 160k           |
| 1 – 5V     | : 160k           |

### INSTALLATION

**Power input:** operational voltage range: 24V DC ±15% or 5V DC ±10%, 1.5W max.; ripple 10% p-p max.

**Operating temperature:** 0 to 50°C (32 to 122°F)

**Operating humidity:** 40 to 80% RH (non-condensing)

**Mounting:** panel flush mounting

**Dimensions:** W18×H72×D118 mm (0.71"×2.83"×4.65")

**Weight:** 90 g (0.20 lbs)

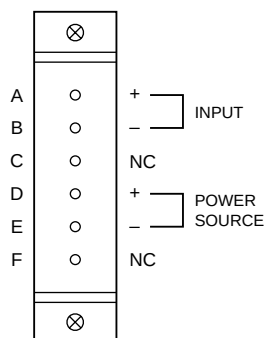
### PERFORMANCE in percentage of span

**Accuracy:** ±2%

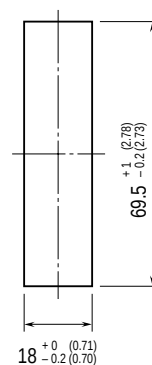
**Response time:** 0.5 seconds

**Insulation resistance:** ≥50MΩ with 500V DC (input or power to ground)

**Dielectric strength:** 2000V AC @1 minute (input or power to ground)  
 500V AC @1 minute (input to power)

**TERMINAL CONNECTION****MOUNTING REQUIREMENTS mm (inch)****■PANEL CUTOUT**

Panel thickness: 0.5 – 2.0 mm (.02" – .08")

**EXTERNAL DIMENSIONS mm (inch)**