

masibus	<b>Specification for 5002U-AM</b>	Issue No.: 01A/prod-10 Date:
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Doc.Ref.No.:m55/spc/101

## SPECIFICATIONS

**Display :** 4 digit 0.56" Red LEDs for PV  
4 digit 0.3" Red LEDs for MV  
Individual discrete Red LEDs to indicate relay status and mode of the instrument.(Auto mode, Manual mode or Hard Manual mode)  
**N.B.** - Flashing of Manual Led indicates Hard Manual Reset.  
- Flashing of Auto Led indicates Ramping Period.

**Input :** 4-20 mA DC Linear - 2 Nos. ( One for Process Variable & Other for Cascade i/p(i.e. Controller o/p coming from previous stage)  
Accuracy  $\pm 0.1\%$  of span  
Input Resistance for 4-20mA D.C. i/p  $\rightarrow 47 \Omega$  for Process I/p  
 $\rightarrow 250 \Omega$  for Auto(Cascade) I/p

**Range :** 4-20 mA D.C. for Process i/p  $\rightarrow$  -1999 to 9999 Field Scalable  
4-20 mA D.C. for Auto i/p  $\rightarrow$  0.0% to 100.0% Fixed Scaling

**Output :** 4-20 mA D.C. Linear & Non-isolated o/p.  
Load Resistance upto 250 $\Omega$ .  
Accuracy  $\pm 0.25\%$  of span

**Calibration:** Zero and span for process input and for auto input are adjusted by digital calibration through front panel keys. No trim pots.

**Parameters:** Ramp Time  $\rightarrow$  1 to 100 seconds.  
Hard Manual facility can be enabled or disabled.

**Controls :** Set, Increase, Decrease, Auto/Manual and Enter keys for operation, programming and calibration. Data lockout back panel terminals for external lock connection facility.

### General :

**Power supply** 110V/230V  $\pm 10\%$  AC @50 Hz terminal selectable and Fuse protected (0.5Amp).  
**Ambient** 0 to 55 Deg C.  
**Humidity** up to 95% RH non-condensing  
**Power consumption** Less than 10 VA

### Physical :

**Case** M.S. powder coated with ABS molded bezel  
**Terminals** Barrier screw type can accept up to 2.5 sq.mm wire  
**Bezel size** 96 X 96 mm  
**Depth behind panel** 200 mm maximum including terminals  
**Panel cutout** 92 X 92 mm