

masibus	Specification for 5002U-AM	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 Ω .
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