<1 VOLT LOOP DROP





- 4 ~ 20 mA loop powered no supply needed
- Loop voltage drop < 1 volt @ 20 mA
- Accuracy 0.025%
- 31/2 digit LCD display
- **Linear function**
- Span, zero, decimal point user settable
- IP65 enclosures Field mount, FLP

GENERAL

The SD201 is a 2-wire, loop powered indicator with $3\frac{1}{2}$ digit LCD display. It is powered directly from the $4\sim20$ mA input loop, dropping less than 1 volt across the input terminals. It provides a digital readout directly proportional to the current input. The indicator is calibrated at factory to read 0~100.0 % for a 4~20 mA input. Recalibration is easily accomplished through the use of switches & trimpots. The span and zero pots are non-interactive and provide resolutions better than 1 count. Decimal point positions are switch selectable.

SPECIFICATIONS All specifications at ambient of 25 °C, unless specified otherwise

Range Voltage drop

Forward current over range Reverse current over range

DISPLAY

Type

Range Range selection **Decimal points** Over range indication Under range indication

PERFORMANCE

Resolution Accuracy Temperature effect Operating temperature Display update rate Response time

CALIBRATION

Span range Display at 20 mA Display at 4 mA Mode

4~20 mA

<1V @ 20 mA

100 mA max 100 mA max

31/2 digit, 0.5" (12.7 mm) LCD -1999 to 1999 counts

Through DIP switches Switch selectable Display shows "1" Display shows "-1"

Better than 1 count

± 0.025% of span ± 1 digit

± 0.02% of span per °C

0 to 55°C 2.5 per second

<1 Second

0 to 3998

-1999 to 1999 (anywhere in range) -1999 to 1999 (anywhere in range)

Non-interacting span and zero pots

Linear

ENCLOSURES

Field Mount

Material Dimensions (in mm)

Protection

Flameproof

Enclosure

Material

Dimensions (in mm)

Mounting Protection Certified flameproof for

120(L) x 55(H) x 80(W)

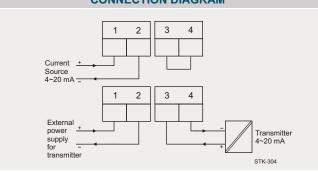
Body - ABS, Lid - Polycarbonate

gas groups I, IİA & IIB Aluminium alloy

100(H) x 100(W) x 131(D)

Pipe mount

CONNECTION DIAGRAM



ORDER CODES

FIELD MOUNT: 2213

FLAMEPROOF: 2224



RADIX ELECTROSYSTEMS PVT LTD

B-14, 2nd Floor, Ghanshyam Indl Estate Veera Desai Road, Andheri (West) Mumbai - 400 053, India

+ 91 22 42537777 | sales@radix.co.in

OTHER ENQUIRIES

Instruments sales@radix co in Sensors sensors@radix.co.in Gauges gauges@radix.co.in automation@radix.co.in Automation