

<1 VOLT LOOP DROP



- 4 ~ 20 mA loop powered - no supply needed
- Loop voltage drop < 1 volt @ 20 mA
- Accuracy 0.025%
- 3½ 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 3½ digit LCD display. It is powered directly from the 4–20 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 & trim pots. 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

### INPUT

Range 4~20 mA  
Voltage drop <1V @ 20 mA  
Forward current over range 100 mA max  
Reverse current over range 100 mA max

### DISPLAY

Type 3½ digit, 0.5" (12.7 mm) LCD  
Range -1999 to 1999 counts  
Range selection Through DIP switches  
Decimal points Switch selectable  
Over range indication Display shows "1"  
Under range indication Display shows "-1"

### PERFORMANCE

Resolution Better than 1 count  
Accuracy ± 0.025% of span ± 1 digit  
Temperature effect ± 0.02% of span per °C  
Operating temperature 0 to 55°C  
Display update rate 2.5 per second  
Response time <1 Second

### CALIBRATION

Span range 0 to 3998  
Display at 20 mA -1999 to 1999 (anywhere in range)  
Display at 4 mA -1999 to 1999 (anywhere in range)  
Trim Non-interacting span and zero pots  
Mode Linear

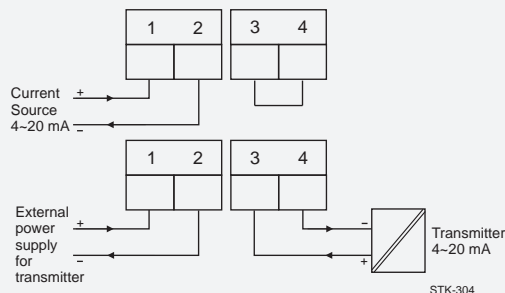
### ENCLOSURES

Field Mount  
Material Body - ABS, Lid - Polycarbonate  
Dimensions (in mm) 120(L) x 55(H) x 80(W)  
Protection IP65

### Flameproof

Enclosure Certified flameproof for gas groups I, IIA & IIB  
Material Aluminium alloy  
Dimensions (in mm) 100(H) x 100(W) x 131(D)  
Mounting Pipe mount  
Protection IP65

## CONNECTION DIAGRAM



## ORDER CODES

FIELD MOUNT : 2213

FLAMEPROOF : 2224

Product url : [www.radix.co.in/lpind.htm](http://www.radix.co.in/lpind.htm)

## SALES INQUIRIES

**radix**  
AN ISO 9001:2008 COMPANY

1800-22-radix  
1800-22-7234

[www.radix.co.in](http://www.radix.co.in)

Radix Electrosystems Pvt Ltd  
B-14, 2nd Floor, Ghanshyam Indl Estate  
Veera Desai Road, Andheri (W)  
Mumbai - 400 053, India  
Tel : + 91 22 42537777 • Fax : + 91 22 42537700  
Email : sales@radix.co.in • www.radix.co.in

BANGALORE C : 0-9341063830  
BARODA C : 0-9376215882  
CHANDIGARH C : 0-9316460869  
CHENNAI C : 0-9381056345  
CHHATISGARH C : 0-9329418246  
COIMBATORE C : 0-9380284497  
GOA C : 0-9371439090

GWALIOR C : 0-9329126120  
HP C : 0-9313560869  
HYDERABAD C : 0-9391053480  
INDORE C : 0-9301995060  
KARNATAKA C : 0-9341063831  
KERALA C : 0-9341273814  
NAGPUR C : 0-9322245543

NEW DELHI C : 0-9312600076  
T : 011-25786350  
ORISSA C : 0-9337002344  
PUNE C : 0-9371113404  
T : 020-24479759  
PUNJAB C : 0-9316460869