

<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 Voltage drop Forward current over range Reverse current over range	4~20 mA <1V @ 20 mA 100 mA max 100 mA max	ENCLOSURES Field Mount Material Dimensions (in mm) Protection	Body - ABS, Lid - Polycarbonate 120(L) x 55(H) x 80(W) IP65
DISPLAY Type Range Range selection Decimal points Over range indication Under range indication	3½ digit, 0.5" (12.7 mm) LCD -1999 to 1999 counts Through DIP switches Switch selectable Display shows "1" Display shows "-1"	Flameproof Enclosure Material Dimensions (in mm) Mounting Protection	Certified flameproof for gas groups I, IIA & IIB Aluminium alloy 100(H) x 100(W) x 131(D) Pipe mount IP65
PERFORMANCE Resolution Accuracy Temperature effect Operating temperature Display update rate Response time	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	CONNECTION DIAGRAM	
CALIBRATION Span range Display at 20 mA Display at 4 mA Trim Mode	0 to 3998 -1999 to 1999 (anywhere in range) -1999 to 1999 (anywhere in range) Non-interacting span and zero pots Linear		
ORDER CODES		FIELD MOUNT : 2213 FLAMEPROOF : 2224	

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