

Pressure To Current Converter v4 PIC246

DESCRIPTION

The PIC246 is a loop-powered transmitter for use in applications that require electronic pressure monitoring. Both differential pressure and gauge pressure versions are available. The PIC246 offers an economical solution combining compactness with accuracy and flexibility. Standard output is 4 - 20mA with a minimum supply voltage of 7V. This enables the PIC246 to be used in 12V battery supply systems or in automotive applications. Other factory set output configurations are 10 - 50mA loop powered and 0 - 10mA, 0 - 20mA or voltage output in 3-wire connection. Reference for 3-wire connection is the negative supply. The heart of the unit is a piezo resistive silicon pressure transducer, providing high accuracy, long life and total adjust-ability. Double surge protection is standard with all Series 200 loop powered transmitters to prevent failure due to spikes induced by DC switched inductive loads. Final calibration is trimmed using the front accessible zero and span 15-turn trim adjustments. A front mounted LED and a test socket verify module function and assist in calibration checks without disconnection of output wires.



General Specifications

Block Diagram



For input / output combinations refer to TYPE NO. DESIGNATION overleaf.

