

The Adtech Model ECT 302-3 DC powered 3 Way Isolated Signal Converter provides a user configurable solution for ground loops and problems encountered in connecting together recorders, process control systems, motor control systems, computers, DCS and PLC systems.

The standard response time is 150 milliseconds. Higher speed of response is available, consult factory.

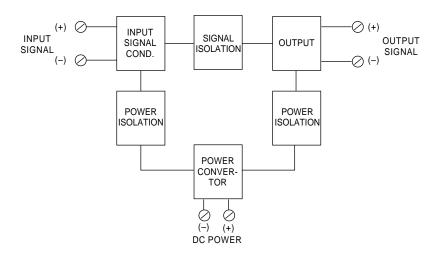
It is highly useful for applications that require signal isolation to eliminate ground loops, instrumentation level shifts, or the conditioning of a process signal riding over high common mode AC or DC voltages. Another common application is to provide additional amplification or drive to a process signal loop.

The input, output and power supply are mutually isolated to 600 VAC or 1,000 VDC peak minimum. The output is a true current source and provides a process signal of 4-20 mA DC.

It delivers standard process current or voltage signals on the output with a maximum of 10 mV P/P output ripple. This provides convenient interfacing of process signals to a computer system or other process instrumentation for improved resolution.

Zero and span controls are provided by two separate infinite resolution potentiometers. Recalibration to other ranges in the field is easy and convenient.

Din mounting is supplied as standard. Surface mount (option H 26) and snap track (option H 25) are available at no extra cost, specify.



## Features

- DC Current Inputs: 4-20 or 0-20 mA DC
- **DC Voltage Inputs:** 1-5 or 0-5 VDC
- Unipolar Inputs: Current or voltage
- Unipolar DC Process Signal Output: Current or voltage
- **Repeatability:** ±0.02% of span typical
- **High Accuracy:** ±0.1% of span
- **Power:** 24 VDĆ

## ECONOMY 3-way Isolated Signal Converter DC Powered

Model No. ECT 302-3

## **Typical Applications**

- Fast response isolation
- Interface unequal or noncompatible plant ground systems
- Interface non-compatible instruments
- DCS-PLC-PC-MC Interface
- Isolate common mode interference on signal lines
- Impedance conversion



## **Connections/Dimensions**

