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The Adtech Model SCT 02/0 66 AC POWERED ISOlated Signal Converter provides A USER CONFIGURABLE SOLUTION FOR GROUND LOOPS AND PROBLEMS ENCOUNTERED in CONNECTING TOGETHER RECORDERS, PROCESS CONTROL SYSTEMS, COMPUTERS, DCS AND PLC SYSTEMS.

IT PROVIDES (2) TWO ISOLATED 4-20 MA DC OR 1-5 VDC OUTPUTS, OR (1) ONE OF EACH.
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 SCT 02/0 66 Offers 600 VAC/1,000 VDC ISOLATION WITH A COMMON MODE REJECTION OF 140 DB AT 60 Hz . 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 AND/OR OTHER PROCESS INSTRUMENTATION FOR IMPROVED RESOLUTION.

ZERO AND SPAN CONTROLS ARE PROVIDED BY TWO SEPARATE INFINITE RESOLUTION POTENTIOMETERS.


## FEATURES

. DC Current Inputs: 4-20 MA, etc.
, High input impedance: 10 megohms minimum
, Zero-based Inputs: Current and Voltage
, Low Impedance Current Inputs: $1 / 10$-optional
, Dual DC Process Signal Outputs: Current or Voltage
, Repeatability: $\pm 0.02 \%$ OF SPAN -TYPICAL
, High Accuracy: $\pm 0.1 \%$ OF SPAN

INTERFACE UNEQUAL OR NONCOMPATIBLE PLANT GROUND SYSTEMS

InTERFACE NON-COMPATIBLE INSTRUMENTS
DCS-PLC PC INTERFACE
ISOLATE INTERFERENCE ON SIGNAL LINES

IMPEDANCE CONVERSION


## CONNECTIONS / DIMENSIONS



