



# ADTECH

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## ISOLATED AC CURRENT /VOLTAGE TRANSMITTERS MODEL NUMBER: ACT 40

THE ADTECH MODEL ACT 40 AC CURRENT OR VOLTAGE TRANSMITTER DELIVERS HIGHLY ACCURATE CONVERSION OF AC SIGNALS TO DC PROCESS SIGNALS, PROVIDING A UTILITY CLASS INSTRUMENT FOR THE INDUSTRIAL AND PROCESS CUSTOMER.

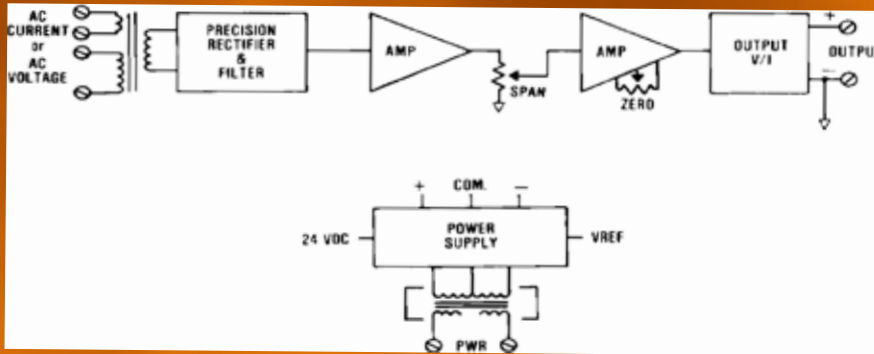
THE MOST COMMON AC CURRENT APPLICATION IS TO MEASURE THE LINE CURRENT OF INDUCTION MOTOR AS A MEASURE OF THE POWER BEING DELIVERED TO THE LOAD. A FREQUENT AC VOLTAGE APPLICATION IS MOTOR SPEED WHERE THE TACHOMETER OUTPUT IS AN AC VOLTAGE PROPORTIONAL TO SPEED.

THIS VERSATILE INSTRUMENT OFFERS HIGH INPUT OVER RANGE PROTECTION, HIGH INPUT TO OUTPUT ISOLATION, AND WIDE FREQUENCY RANGE.

THE BASIC INPUT RANGE IS 0-5 AMPS AC OR ANY VOLTAGE OF 0-20 VAC TO 0-150 VAC. IT PROVIDES AN ISOLATED CONVERSION TO A STANDARD PROCESS SIGNAL SUCH AS 4-20 mA DC, 1-5 VDC, OR ZERO BASED OUTPUTS.

THE ACT 40 DELIVERS STANDARD PROCESS CURRENT OR VOLTAGE SIGNALS ON THE OUTPUT WITH A MAXIMUM OF 10 mV P/P OUTPUT RIPPLE. IT OFFERS A CONVENIENT MEANS OF INTERFACING AC SIGNALS TO A COMPUTER SYSTEM, PLC, DISTRIBUTED CONTROL SYSTEM, OR OTHER PROCESS INSTRUMENTATION FOR MONITORING OR CONTROL PURPOSES.

ZERO AND SPAN ADJUSTMENT IS PROVIDED BY TWO INFINITE RESOLUTION POTENTIOMETERS. RECALIBRATION TO OTHER RANGES IS VERY CONVENIENT.



## FEATURES

- AC CURRENT INPUT: 0-5 AMPS: 20 AMPS CONTINUOUS OVER RANGE
- AC VOLTAGE INPUT: 0-20 TO 0-150 VAC: 200% OF INPUT OVER RANGE
- INPUT FREQUENCY: 25-400 HZ
- HIGH ACCURACY:  $\pm 0.25\%$  OF SPAN
- VERY LOW INPUT BURDEN
- DC PROCESS SIGNAL OUTPUTS: CURRENT AND VOLTAGE
- REPEATABILITY:  $\pm 0.05\%$  MAXIMUM
- REVERSE CALIBRATION / LINEAR INVERTER: OPTIONAL
- FRONT REMOVABLE ELECTRONICS

## TYPICAL APPLICATIONS

- Low-cost power measurement
- AC current/voltage signals can be interfaced to process instruments
- Output can be used for excitation control
- Motor current for torque or mass flow measurement
- Output current can be used with DC alarms for high/low voltage or current detection



