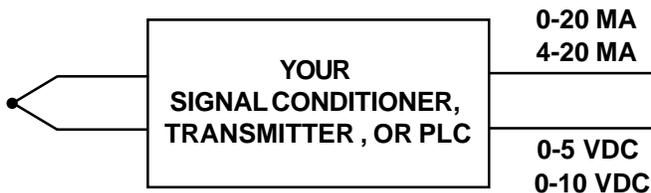


# ANALOG INPUT

AE SERIES - OPTION 341



## SCALE AND DISPLAY TEMPERATURE, PRESSURE, FLOW, LEVEL FROM 5 FEET TO 500 FEET AWAY...

Available for all 2, 3, 4, 5, and 6 digit **AE Series** Displays  
Wide range of input signals: 0-20 mA, 4-20 mA, 0-5 vdc, or 0-10 vdc

12 - Bit A/D Converter (4096 count resolution)

Built-in Controls for easy scaling and calibration

Range can be scaled from " - " to " + " indication

Overrange and Underrange indications

Selectable decimal point and leading zero blanking

Set digits 5 and 6 for degrees C or F indication, or fixed zeroes

Optional Master / Driver Output for multiple display systems

**AE Series Displays are available with: 1", 2.3", 4", 8", and 12" High Digits**

### TWO YEAR WARRANTY



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## DESCRIPTION

Option 341 provides a 12 bit, analog input for the AE Series of Process Indicator Displays. They are available in 2, 3, 4, 5, and 6 digit versions with digit sizes ranging from 1 inch high to 12 inches high. Standard input signals include: 0-20 MA, 4-20 MA, 0-5 VDC, and 0-10 VDC. They can be programmed to indicate any engineering units over the range of the analog input signal by using the built-in program switches. The 12 bit A/D converter can resolve up to 4 digits. However, five and six digit versions are available with the least significant digits fixed to 00. On displays that will be used for displaying temperature, digits five and six can be set up to give a degrees C or F indication.

Other features include: "Overrange" and "Underrange" indication, selectable Decimal Point, and Leading Zero Blanking. Range can be scaled from " - " to " + " indication.

For other types of input signals, such as thermocouple or millivolt signals, specific signal conditioners can be used.

For multiple display systems, the Master/Driver Option (348) can be added. This option allows you to connect up to 40 remote displays to the AE Series Process Indicator for displaying the same variable in many locations.

## SPECIFICATIONS

ANALOG INPUT: 0-20 mA, 4-20 mA, 0-5 VDC, or 0-10 VDC (specify with order).

RESOLUTION: (4096 COUNTS)

0-20 mA	4.88 uA	4-20 mA	4.88 uA
0-5 VDC	1.22 mV	0-10 VDC	2.44 mV

PROGRAMMABLE RANGE: Two digit display: from 00 to 99  
Six digit display: from 000000 to 999900  
" - " to " + " indication: from -99990 to 99990 (factory configured)  
Low range limit does not have to be zero.  
Example: Barometric pressure displays from 28.00" to 32.00" HG.  
Built-in switches are provided for programming the range.  
Range Calibration is stored in non-volatile memory.  
Underrange - all digits display U's.  
Overrange - all digits display upside down U's.

ACCURACY: 1% of the range, + or - one count.

DECIMAL POINT/: Switch selectable on PCB assembly.  
LEADING ZERO  
BLANKING

## ORDERING INFORMATION

Most AE Series Displays are configured to your specifications at the time of your order. Their modular design allows them to be constructed from Off-The-Shelf components and assemblies in quick order.

Choose the desired type, size, number of digits, and other requirements from the AE Series Large Display brochure. Adding "341" to the end of the model number indicates the Analog Input Option is installed.

SPECIFY Input Signal: \_\_\_\_\_ Display Range: \_\_\_\_\_  
Decimal Point: \_\_\_\_\_ Leading Zero Blanking: YES NO

**FOR ASSISTANCE CALL 800- 444 - 7161**