

## LINEAR OFFSET OPTION

Software: iPCE2-ML-0

For Hobart units iPCE-2-5F/ML

The Linear Offset option allows the user to shift the range of position values that the unit outputs. The range becomes equal to the [Linear Offset] as a minimum and the number equal to the [Linear Offset + Full Scale Count] as a maximum.

Example 1: F.S. Count = 10,000  
Lin. Offset = 0  
Range of position values = 0 to 10,000

Example 2: F.S. Count = 10,000  
Lin. Offset = 2,000  
Range of position values = 2,000 to 12,000

### PROGRAMMING:

You want to program a linear offset of 4,500

PRESS	DISPLAY	COMMENTS
*		Must be in program mode. See 10.1 or 10.3.
[B]	[L,OF, xxxxxx]	Present Linear Offset.
[0,0,4,5,0,0] [ENTER]	[L,OF, 004500]	New Linear Offset.

### NOTES:

This option replaces the RESET/PRESET function on a standard unit. The RESET/PRESET function is not available on a unit with option ML and INPUT 1 [Reset/Preset Input] is disabled.

The Linear Offset can not be programmed greater than or equal to the Full Scale Count.

Due to the internal limitations of the unit, the unit can not support a number greater than 131,071. If the number that is equal to the Linear Offset + Full Scale Count exceeds 131,072 the count will "roll over". What this means to the user is that the unit will output a number equal to the [Actual Num. - 131,072] for any number greater than 131,071.

#### Example:

Actual Number = 150,000  
Outputed Num. = [150,000 - 131,072]  
= 18928