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VC11Hdr

OBSOLETE

V = Variables

R = Reading functions

The VC11Hdr function calculate the posit of the axis according to the HIGH DATA RAPPRESENTATION scheme.

IMPLEMENTATION

VC11Hdr (Axis,HdrType,Result)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
Axis	EANPOS, OOPOS3, COUNTER3, ABSCNT, CAMMING4, CAMMING3	ooX		Device that maintains a count
HdrType	GLOBAL CONST	2	B	HDR visualization type
Result	GLOBAL	return	L	Data value converted

HdrType

The HDR viewing allows to center the range of the unit on the integer values. The value is calculated by the encoder, measure and pulse is approximated to the nearest unit.

0 - Hdr disable.

1 - Hdr enable, in the middle band between two units (between 0→1 the band is [0.25, 0.75]) you receive a count that oscillates between two values.

2 - Hdr enable.

Example

With X axis

Measure: 220

Pulse: 4096

Encoder: 62296

the Posit 3345 is calculated as $62296/4096*220 = 3345.97$.

The VH11Hdr function (x,2,Result) will put Result = 3346.

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