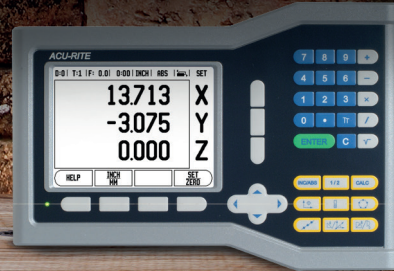
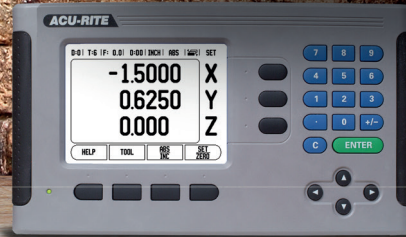
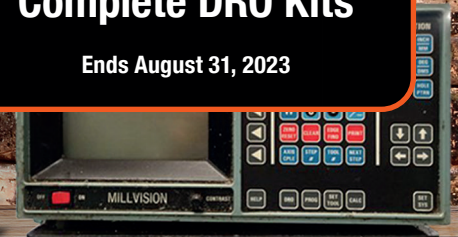
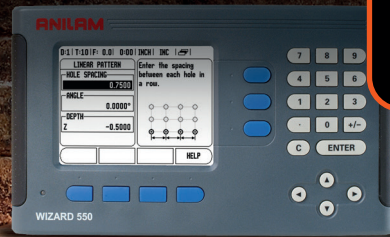


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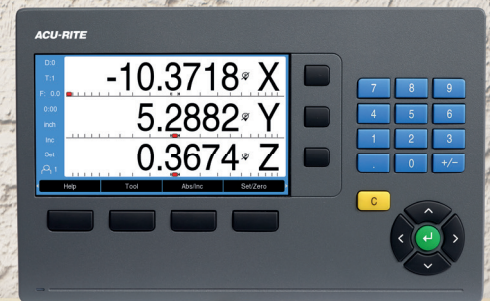


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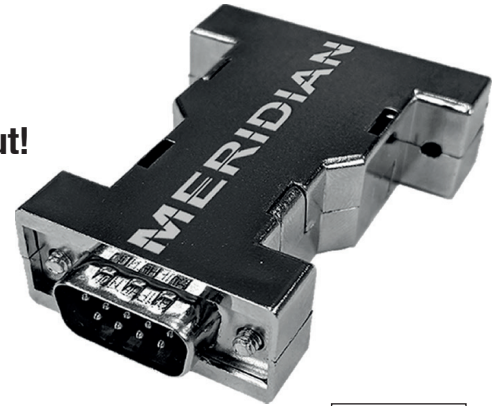
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- Ideally suited for adapting analog scales to TTL digital readouts
- 11 μ App and 1Vpp versions available
- Ten interpolation factors to match desired scale resolution 0.5x, 1x, 2x, 2.5x, 5x, 10x, 20x, 25x, 50x, 100x
- TTL output channels will Tri-State upon signal failure
- Easy Plug-n-Play installation
- Low current draw

SA 107x		SA 187x
PRODUCT SPECIFICATIONS		
Input Signal	11μApp	1Vpp
Output Signal	TTL	TTL
ELECTRICAL SPECIFICATIONS		
Maximum Input Frequency*	55Khz for 0.5x, 1x & 2x	24Khz for 2.5x, 5x, 10x, 20x, 25x, 50x & 100x
Maximum Output Frequency	55Khz for 0.5x, 1x & 2x	83Khz for 2.5x, 5x, 10x, 20x, 25x, 50x & 100x
Useable Input Amplitude	2μA — 32μA	0.2V — 3.2V
TTL Tri-State	Yes (on overspeed or low input amplitude)	
TTL Minimum Edge Separation	4.0μs for 0.5x, 1x & 2x 3.0μs for 2.5x, 5x, 10x, 20x, 25x, 50x & 100x	
Reference Pulse Width	90°	
PHYSICAL SPECIFICATIONS		
Dimensions (L x W x H)	2.46in [62.4mm] x 1.65in [42.0mm] x 0.64in [16.2mm]	
Weight	0.9oz	
IP Rating	IP 30	
POWER SPECIFICATIONS		
Supply Voltage	3.7v — 6.5v DC	
Maximum Current Consumption	120mA	115mA
CONNECTIONS		
Input	D15 Male	
Output	D9 Male	

*Due to the SA's built-in accumulator buffer, the stated input frequencies can be achieved on all models, regardless of interpolation factor, without data loss. Accumulated pulses are buffered and then output continuously at the maximum output frequency until the accumulator is empty.