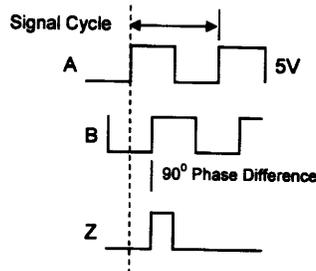


Meister Precision Glass Scale

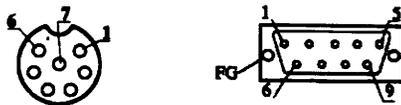
Meister scales are high accuracy displacement transducers that connect to digital display unit to form digital measuring equipment.

1.0 Specifications

- a) Scale: Precision etched grating glass scales
- b) Grating pitch: 0.02mm (50LP/mm)
- c) Resolution: 5 μ m
- d) Accuracy: ± 0.005 mm or ± 0.0002 inches (at 20° C and within 1000mm)
- e) ABS reference marks- there are marks at interval of 50mm for 50LP/mm and the output signal is positive.
- f) Measuring range: 100mm to 6000mm
- g) Operating temperature: 0° C ~ 40° C
- h) Response rate: 60 m/min or 198 ft/sec
- i) Input voltage: 5 Vdc
- j) Output signal: TTL signal output
 - Two orthogonal square wave signals with the amplitude of +5V ($\pm 5\%$)
 - Signal Output:



- k) Type of connector: MSR 7 Pin or DB-9 with 3 metres (9.8 feet) of stainless steel flexible armor sleeve.



l) Pin Out Chart:

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7
Black	-	Blue	Green	Red	Yellow	-
0V	NC	Signal A	Signal B	5 Vdc	ABS	Shield to casing