Vernier Height Gauge

Beam and slide manufactured from hardened stainless steel
Main and vernier scales are satin chrome
Sliding scale raised to prevent wear
Scale magnifier provided on 300, 600 and 1000mm models
Main slide locking screw
Fine adjustment
Carbide tipped scriber
Adjustable main scale for zero setting

Packed Weight and Dimensions

Code	Description	Weight g	W mm	H mm	L mm
51-300-012	Vernier Height Gauge 300mm / 12	3900	270	125	610
51-300-024	Vernier Height Gauge 600mm / 24”	8950	300	175	950
51-300-040	Vernier Height Gauge 1000mm / 40”	26600	430	195	1400
51-300-060	Vernier Height Gauge 1500mm / 60”	61850	455	295	1950

Accuracy Specifications:

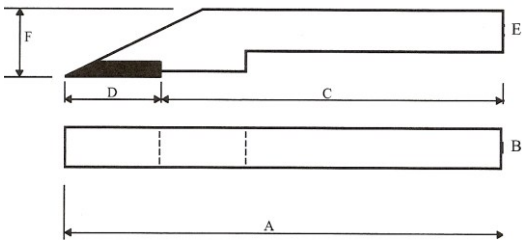
Code	Range	Resolution	Accuracy
51-300-012	300mm / 12”	0.02mm / 0.001”	0.04mm
51-300-024	600mm / 24”	0.02mm / 0.001”	0.07mm
51-300-040	1000mm / 40”	0.02mm / 0.001”	0.07mm
51-300-060	1500mm / 60”	0.02mm / 0.001”	0.10mm

Adjustable Main Scale:

Allows the vertical measuring scale to be moved to match with the sliding vernier scale at its zero position

Base Dimensions:

Code	Range	Base Length	Base Width	Base Height
51-300-012	300mm / 12”	140 mm	90 mm	45 mm
51-300-024	600mm / 24”	180 mm	118 mm	55 mm
51-300-040	1000mm / 40”	250 mm	150 mm	65 mm
51-300-060	1500mm / 60”	300 mm	200 mm	75 mm



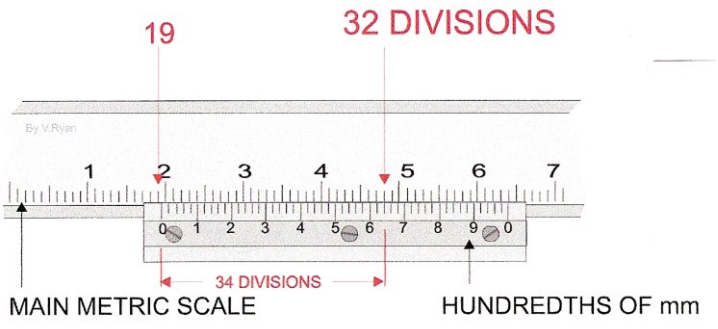
Replacement Scribers

Instrument Code	Scriber Code	A mm	B mm	C mm	D mm	E mm	F mm
51-300-012	51-300-014	130	8.85	90	4	8.9	27
51-300-024	51-300-026	160	8.85	105	5.5	8.9	27
51-300-040	51-300-042	200	10	190	10	16	48
51-300-060	51-300-062	220	10	210	10	18	57

Operation

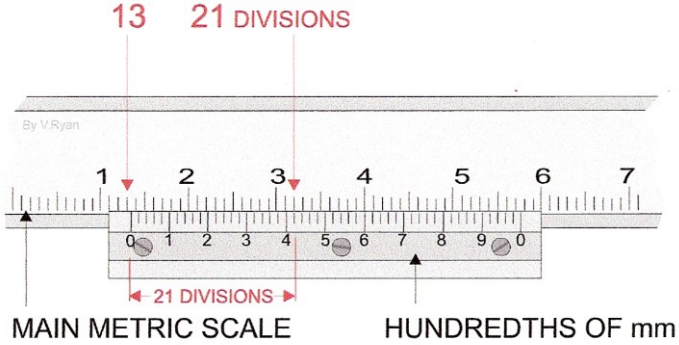
Clean under the base of the Height Gauge to ensure that there is no dirt between the base and the surface plate it is to be used on
Ensure the working surface of the plate is clean and place the height gauge carefully on to it
Fit the scriber to the instrument
If the measurements are to be taken using the surface of the plate as the datum:
Move the scriber gently down to touch the surface of the plate (measuring force 3-5N)
The final movement to provide contact with the plate should be made using the fine adjustment mechanism
Check that the zero on the vernier scale is correctly aligned with the zero on the vertical scale
If the 2 zero's are not aligned correctly, adjustment can be made to the vertical scale by using the adjustment system located at the top of the height gauge column
The instrument is now ready to take measurements

Reading a Vernier



Example 1:

19 + 32 x 0.02
19 + 0.64
19.64 = Correct reading



Example 2:

13 + 21 x 0.02
13 + 0.42
13.42 = Correct reading