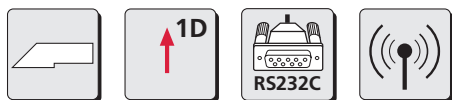


Height Measuring and Scribing Instrument Digimar 814 N / 814 G



814 N



814 G

Applications

Ideal for measuring:

- Heights
- Center distances between bores and surfaces, widths of ledges, plus marking and scribing of work pieces

Features

814 N With extra rugged, cast iron base with three-point support. To be used on base plates, machine beds and work piece surfaces.

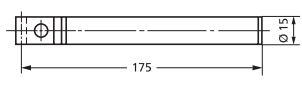
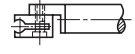
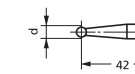
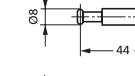
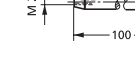
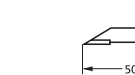







814 G Table plate is made of fine grained black granite (greenstone) which is extremely hard and stable.

- High accuracy
- Incremental inductive measuring system
- Measuring head with an ball bush guide
- Resistance free measuring system
- Large, easy to read digital display
- Measuring system and display unit are incorporated in the measuring head
- Easy to operate due to the hand crank on the side of the measuring head, thus making height adjustment simple
- Constant measuring force; acting upwards or downwards as required
- Measuring head can be locked in position, ideal for scribing tasks
- With fine adjustment
- Data transmission via Opto RS232C interface
- Digital Preset
- Zero setting in any position
- MAX, MIN and MAX-MIN functions
- Enter tolerance limit for 1 characteristic
- Switch between mm/inch
- Mains independent due to being battery operated
- Universal application due to a broad range of accessories

Technical Data

		814 N	814 G	814 N	814 G
Measuring range	mm/ <i>inch</i>	320 / 12.6"		620 / 24.4"	
Resolution	mm (<i>inch</i>)	0.01 / 0.001 (0.0005" / 0.00005")			
Measuring error	µm	20 / 0.0008"		30 / 0.0012"	
Repeatability	µm			5 / 0.0002"	
Perpendicularity error	µm	frontal 20 (300 mm)		frontal 30 (600 mm)	
Operating time of the battery	h	2000			
Measuring force	N	ca. 3			
Working temperature	°C/°F	20 ± 1 / 68 ± 33.8			
Operating temperature	°C/°F	5 ... 40 / 41 ... 104			
Measuring system		inductive			
Total height	mm/ <i>inch</i>	513 / 20.20"	558 / 21.97"	813 / 32.01"	858 / 33.78"
Cast iron base(L x W)	mm/ <i>inch</i>	205 x 175 / 8.07" x 6.89"		205 x 175 / 8.07" x 6.89"	
Granite plate (L x W)	mm/ <i>inch</i>	200 x 300 / 7.87" x 11.81"		200 x 300 / 7.87" x 11.81"	
Grade of accuracy		1 DIN 876		1 DIN 876	
Weight	kg/lbs	6.2 / 13.22	14 / 30.86	10.5 / 23.15	18.3 / 35.27
Order-no.		4426540	4426541	4426542	4426543

Accessories for Height Measuring and Scribing Instrument Digimar 814 N / 814 G

				Order no.	
814 t	Probe arm with joint for mounting probes, dial indicators, dial comparators, and test indicators.			4426510*	
	Length of mounting shank	150 mm	(.591")		
	Mounting bore	8 mm	(.315")		
814 m	Spherical probe To mount in probe arm 814 t	2 mm ball	(.0787")	4426525	
		3 mm ball	(.118")	4426526	
		4 mm ball	(.157")	4426512	
		5 mm ball	(.197")	4426527	
		6 mm ball	(.236")	4426511	
		7 mm ball	(.276")	4426528	
		8 mm ball	(.315")	4426509*	
814 s	Disc probe for measuring heights, distances, surfaces and edges. Especially recommended for narrow shoulders, e.g. on centering edges.			4426513	
814 h	Probe holder	M 2.5		4426514	
814 a	Scriber for scribing and marking of work pieces. Carbide tipped. To be mounted on the Probe arm 814 t			4426515	
814 kh	Holder			4426516	
817 ks1	Measuring taper	0 – 15	(0 - .591")	4426071	
817 ks2	Measuring taper	14 – 20	(.551" - .787")	4426072	
817 ks3	Measuring taper	18 – 24	(.709" - .945")	4426073	
817 ks4	Measuring taper	23 – 30	(.906" - 1.181")	4426074	
814 u	Two direction probe for measuring outside and inside diameters, width of ledges, recesses and slots. Actual ball diameter does not influence the results.	4 mm ball	(.157")	4426517	
814 ua	Interchangeable probe arm for use in conjunction with the two direction probe 814 u	2 mm ball	(.0787")	4426518	
817 Cl-m	Spherical probe	4 mm ball	(.157")	4426436	
817 Cl-am	Holder with connection thread	M 2.5, M 1.6, M 1.4		4426434	
817 Cl-sa	Stylus with exchangeable measuring pin			4426433	
817 Cl-p	Stylus with parallel measuring faces			4426435	
	Battery 3 V, type CR 2032			4102520*	
	Dust cover	0–320 mm	(0 - 12.60")	4426616*	
	Dust cover	0–620 mm	(0 - 24.41")	4426619*	
814 Nf	Cast iron base			4426506**	
814 Gf	Table plate			4426507**	
814 X	Column with measuring head	320 mm	(0 - 12.60")	4426544	
814 X	Column with measuring head	620 mm	(0 - 24.41")	4426545	
16 ESv	Data connection cable Length 2 m / 6.56 ft	Opto RS232C		4102510	

* Scope of supply
** for upgrade