

Litematic

SERIES 318 – High Resolution Measuring Unit

- The Litematic is designed for measuring easily-deformed workpieces and high-precision parts such as pin gauges, thin-wall bearings, plastic parts, and springs.
- Extra-low measuring force of 0.01N (1gf).
- Ceramic anvil is free from corrosion and easy to maintain.
- Includes SPC output.

Technical Data

Accuracy:	Refer to the list of specifications (excluding quantizing error)
Resolution:	Refer to the list of specifications
Repeatability:	$\sigma = 0.05 \mu\text{m}$
Display unit:	8 digits and 14 mm character height
Stroke:	51.2 mm (using standard contact point)
Measuring force:	0.01N
Spindle feed speed:	2 mm/s, 4 mm/s, 8 mm/s
Length standard:	Photoelectric linear encoder
Contact point:	$\phi 3$ mm carbide ball
Power supply:	85 - 264V AC

Optional Accessories

936937:	SPC cable (1 m) £32.90
965014:	SPC cable (2 m) £39.10
101118:	Contact point, shell £4.20
120066:	Contact point, $\phi 0.45$ mm needle (carbide) £26.40
120059:	Contact point, $\phi 7.0$ mm spherical (carbide) £47.00
120060:	Contact point, $\phi 10.5$ mm spherical (carbide) £56.20
937179T:	Footswitch £45.30
264-504-5E:	Digimatic mini-processor DP-1VR £342.00
264-012-10:	Input tool (for USB port) £191.00
02ADM270-2:	SENSORPAK (data capture software including I/O cable) £510.00



DP-1VR
(Digimatic output is to six significant figures)



Input tool



318-221E

SPECIFICATIONS

Code No.	Range	Resolution (switchable)	Accuracy (at 20°C±1°C)	Remarks	Price
318-221E	0-50 mm	0.01/0.1/1 μm , 0.5/5/50 pinch	(0.5+L/100) μm^*	Including $\phi 100$ mm grooved ceramic anvil	£4650.00

* L = measured length (mm)

DIMENSIONS

