

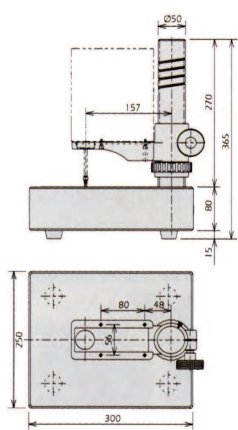
# Motorized low force, high precision gages LITEMATIC VL-50

## Series 318

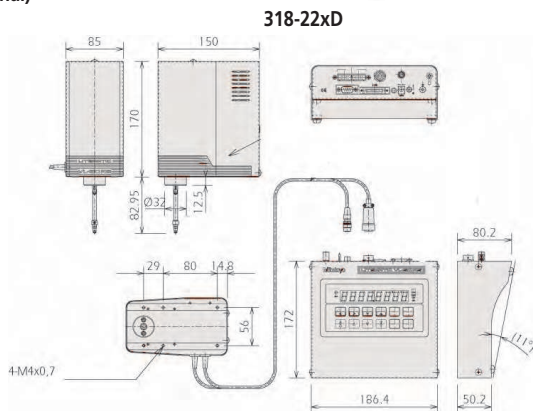
- High-accuracy gage head with a measuring force of 0,01 N (1 gf) and a resolution of 0,01 μm.
- The constant and low measuring force makes it especially suitable for the measurement of soft materials such as rubber, plastic, film thicknesses or sensitive form parts.
- Motor driven plunger has a range of approach and retraction speeds for safe and easy operation.
- The head is supplied with a separate controller to enable mounting in a measurement fixture, or it can be mounted on the optional comparator stand.



318-22xD (957460 is optional)



957460 Comparator stand



318-22xD

Functions	Series 318
ZERO / ABS	●
PRESET	●
Counting direction switchable	●
Tolerance input (3 or 5 levels)	●
mm/inch conversion	●
Key lock	●
Motorised plunger movement	●
Mode : max-min (TIR) reading	●
Data output	●
Min. value/Hold	●
Max. value/Hold	●

### Specifications

Digital Step	0,01 μm/0,1 μm/1 μm/0.000005"/0.000005"/0.00005"/0.00005" (switchable)
Data output	DIGIMATIC RS 232C INTERFACE I/O
Mass	6 kg (measuring unit and display unit)

### Optional accessories

No.	Description
957460	Comparator stand for LITEMATIC VL-50S
937179T	Footswitch
02ADB440	BCD-I/O-Data connector
936937	Data cable (1 m)
965014	Data cable (2 m)
12AAA807D	Cable RS-232C D-SUB 9/D-SUB 9 (2m)
06ADV380D	USB Input Tool Direct cable (2 m)
02AZD790D	Connecting cable U-Wave

### Consumable spares

No.	Description
901312	Standard contact point
357651	AC Adapter 9V
02ZAA020	AC cable
02ZAA030	AC cable UK only



Refer to the Linear Gauge documentation for more details

No.	Type	Measuring force	Accuracy
318-226D*	VL-50S-B	0.01 N (1 gf)	(0,5 + L/100 μm) L = Measurement height
318-227D*	VL-50S-15-B	0.15 N (15 gf)	(0,5 + L/100 μm) L = Measurement height
318-228D*	VL-50S-100-B	1 N (102 gf)	(0,5 + L/100 μm) L = Measurement height