

Fowler

Z-Cal II Height Gage



Introducing the new and improved Z-Cal II from Fowler/Sylvac. The Z-Cal II offers the same great lightweight and compact design as the original Z-Cal with great new features -

- New quick change probe holder system (same weight for each accessory)
- Improved sensitivity for short displacements (much easier to move short distances)
- New battery charge circuit (fully charged in just 4 hours)
- New audible signal for measurement confirmation

Use in the workshop or inspection room, it easily measures fragile and sensitive parts such as plastics, synthetic materials, light alloys and fragile and thin-walled parts.

Sylvac's New Patented Motorized Measuring System allows easy measurement and repeatability. The probe speed is proportional to the finger pressure. Direct RS232 connection to a computer or Fowler/Sylvac's remote display unit #54-618-232. The Z-Cal II is supplied as standard with a 3mm probe (1mm and 2mm probes are optionally available). It measures heights, depths, slots, internal and external diameters, the distance between centers...all within an accuracy of 4 or 6 microns. Z-Cal II includes a Ni-cad battery pack and recharger—provides 40 hours of operational time on a single charge.



- One hand operation
- Measures heights, length and slots
- Measures centerline location and center distances
- Measures internal and external diameters
- Extremely light measuring pressure (variable)
- High accuracy of .00016"/.004mm and .0002"/.005mm
- Large selection of optional probes with diameters of 1mm and 2mm for miniature parts

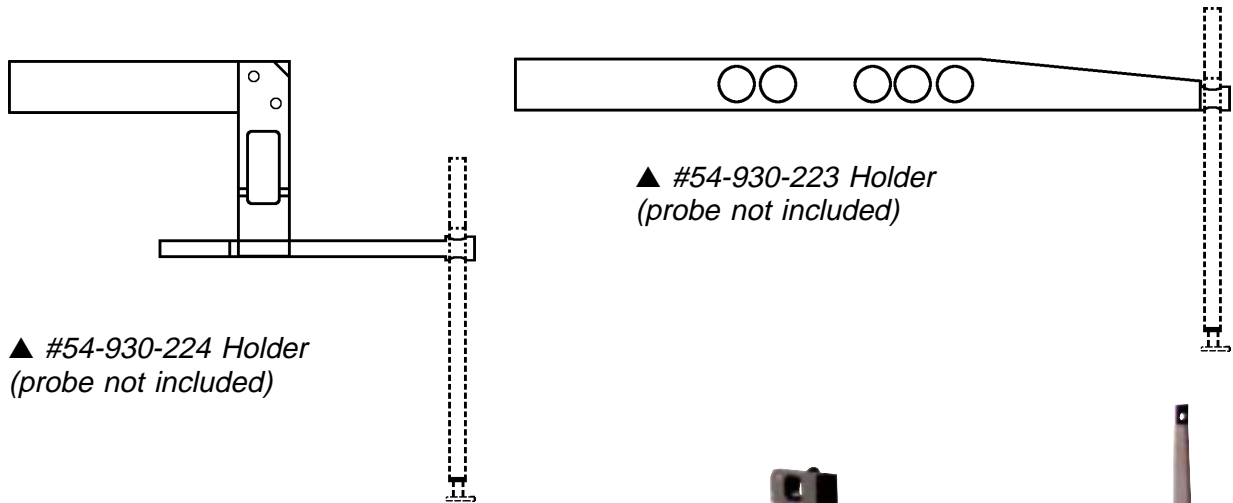
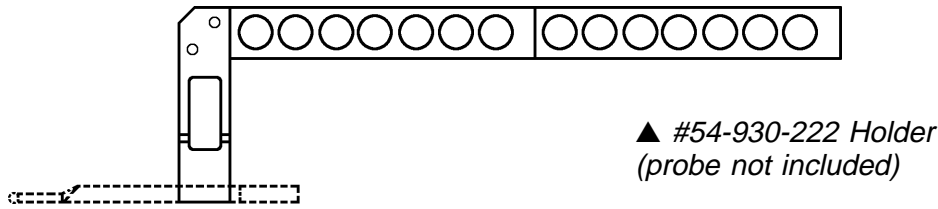
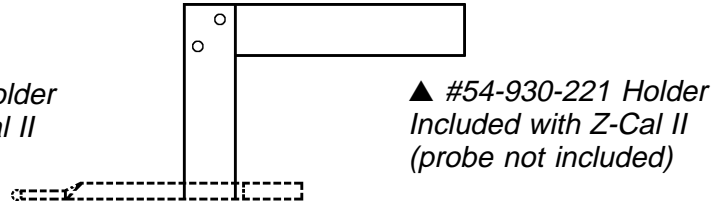
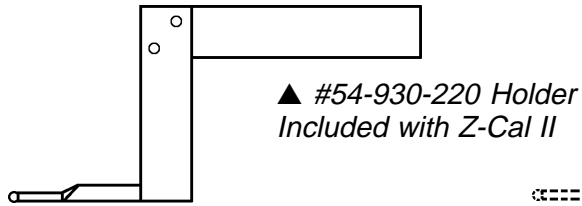
Keyboard Functions

- Preset or zero the display.
- Display or set the probe constant.
- Normal: green light for measuring surfaces; orange light for measuring internal/external diameters, allowing for probe constant in any sequence; yellow light displays centerline distance.
- High/low, inch/metric resolution.
- On/off switch.





Z-Cal II Height Gage



#54-930-201 Master set gage
Included with each Z-Cal



Specifications

	54-930-150	54-930-300
Measuring range	0—6"(150mm)	0—12"(300mm)
Resolution	.0005"/.00005"(.01/.001mm)	.0005"/.00005"(.01/.001mm)
Accuracy	.00016"(4 μ m)	.00024"(6 μ m)
Repeatability	.00008"/2 μ m(\pm 2S)	.00008"/2 μ m(\pm 2S)
Operational speed	0.15m/sec (max.) variable	0.15m/sec (max.) variable
Measuring force	1 oz. (0.3N) (Adjustable)	1 oz. (0.3N) (Adjustable)
Operational time	40 hours	40 hours
Overall height	14"(350mm)	20"(520mm)
Weight	9.4 lb. (4.3 kg)	11.66 lb. (5.3 kg)
Data output	RS232 (Bidirectional)	RS232 (Bidirectional)



▲ 54-930-215



Order No.	Description	Range
54-930-150	Z-Cal Height Gage	6"/150mm
54-930-300	Z-Cal Height Gage	12"/300mm
54-930-201	Master Set Gage (Included with each Height Gage)	-
54-930-211	Replacement ruby tipped probe for Z-Cal I	-
54-930-215	15 pc. Large Deluxe Probe Set (requires 54-930-221,222, 223 or 224)	-
54-930-217	5 pc. Standard Probe Set (requires 54-930-221,222, 223 or 224)	-
54-930-220	Replacement 3mm ruby tipped probe for Z-Cal II	-
54-930-221	Short probe holder for Z-Cal II	-
54-930-222	Long probe holder for Z-Cal II	-
54-930-223	Long depth holder for Z-Cal II	-
54-930-224	Short depth holder for Z-Cal II	-
54-930-225	Stand for holder for Z-Cal II	-
54-930-226	4 pc. holder set with stand for Z-Cal II	-
54-618-166	RS232 Cable, 9 pin (2m length)	-