



Ultra-Digit Mark IV Electronic Indicators



Designed and manufactured by Sylvac in Switzerland, Fowler introduces the Ultra-Digit Mark IV Indicator—the latest in mechanical and electronic design technology for measuring instruments.

Special Features:

- The non-contact scale inductive measuring system is insensitive to dust, dirt, oils and electrical or magnetic interference.
- Direct inch/metric conversion.
- High contrast LCD display for fatigue-free viewing. LCD display has indicators for in/mm, hold, reference, preset zero functions.
- Dual measuring references, each one individually pre-settable to ± 99.99999 .
- Low drain, high efficiency lithium wafer battery—4500 hrs. continuous on time. Extend battery life 2—3 years with on/off switch.
- Repeatability .0001" (.002mm), $\pm 2s$.
- Incremental floating zero. If tool is used for SPC, the zero button can automatically be configured as a data I/O switch.
- Increased measuring, tracking speed of approximately 1.5 meters (60")/second—impossible to overrun measuring speed.
- Hold feature freezes display.
- Display face rotates 270°.
- Non-contact scale measuring system—no gears or pinions or other moving parts.
- Top lifting knob.
- Direct RS232C output allows connection of the tool to any computer or printer. No Interface is necessary. For direct SPC output, hook up the tool with the specially constructed optocoupled cable. Free IBM compatible computer software included with cable for tolerancing, min/max/tir, analog display, large display and SPC data collection.
- AGD Group 2 dimensional specifications. (3/8" mounting, lug back, 4-48 thread).
- Rugged housing constructed from high impact Polyamid, stainless steel shank and spindle.
- Temperature range 41—104°F working -4 to 140°F storage.



Fred V. Fowler Company, Inc.



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Order No.	Description	Measuring Force
54-520-777	0—1"/25mm UD Mark IV Resolution .00005"/.001mm Accuracy .0002"/.005mm	2—4 ounces (.6—1.10N)
54-520-555	0—1"/25mm UD Mark IV Resolution .0005"/.01mm Accuracy .0008"/.02mm	2—4 ounces (.6—1.10N)
54-520-790	0—1/2"/12.5mm UD Mark IV Resolution .00005"/.001mm Accuracy .0002"/.005mm	2.5—3.5 ounces (.7—.95N)
54-520-791	0—1/2"/12.5mm UD Mark IV Resolution .00005"/.001mm Accuracy .0002"/.005mm Same as #54-520-790 except it has 8mmØ stem. Contact point thread M2.5.	2.5—3.5 ounces (.7—.95N)
54-520-792	0—2"/50mm UD Mark IV Resolution .00005"/.001mm Accuracy .0003"/.008mm	9—14 ounces (2.5—4N)
54-520-794	0—4"/100mm UD Mark IV Resolution .00005"/.001mm Accuracy .00035"/.009mm	9—14 ounces (2.5—4N)
Accessories:		
54-520-764	1/2" dust cap for 54-520-555/777/790 (restricts travel to 1/2").	
54-520-765	1" dust cap for 54-520-555/777	
54-520-560	1/4" travel restrictor for 54-520-555/777	
54-520-565	1/2" travel restrictor for 54-520-555/777	
54-520-770	Lifting lever for 54-520-555/777/790/791	
54-520-772	Photo cable lifter for 54-520-555/777/790/791	
54-520-774	Lifting hook for Ultra-Digit Mark IV Indicators.	
54-520-763	Plastic cover for protection in harsh environments	
54-115-333	Simplex Computer Kit. Includes 80"(2m) connecting cable with 9 pin IBM compatible connector, support disk and instruction book.	
54-100-350	Replacement lithium battery (type #CR2032 or BR2032).	
UltraDigit IV and V Backs:		
54-520-762	Offset Lug Back	
54-520-776	Post Plain	
54-520-778	Post Back Internally Threaded	
54-520-779	Adjustable Bracket	
54-520-766	Lug back for Ultra-Digit Mark IV Indicators. (Standard with all units.)	
54-520-760	Flat back for Ultra-Digit Mark IV Indicators.	