

Comparison Chart – Mark-10 Series 5 – 4 – 3

			
	Series 5	Series 4	Series 3
Accuracy (FS ±1 digit):	±0.1%	±0.2%	±0.3%
Sampling rate:	7,000 Hz	3,000 Hz	2,000 Hz
Resolution:	1/5,000	1/2,000	1/1,000
Data outputs:	USB, RS-232, Mitutoyo, Analog	USB, RS-232, Mitutoyo, Analog	USB
Programmable auto output via USB/RS-232:	Yes	No	No
MESUR™ Lite software included:	Yes	Yes	Yes
Data output functionality:	By pressing DATA button, or requesting from a PC or other device	By pressing DATA button, or requesting from a PC or other device (currently displayed reading only)	By pressing DATA button, send current reading only. Cannot request externally.
ASCII command set for external control (Gauge Control Language 2):	Full command set	"?" only (request current reading)	None
Communication with MESUR™ gauge and MESUR™ Lite:	Full communication	Send data from gauge or request from software (single readings or continuous readings)	Send current (single) readings only, cannot request from software
Communication with ESM301 test stand and Series DC controllers:	Full communication, including PC control	Stop/reverse at force set points, overload protection, and communication through the "?" character only	None
Data memory:	1,000 readings, with output	50 readings, with output	No
Data memory deletion:	Any individual data point, or clear all	Any individual data point, or clear all	N/A
Statistics calculations and output to PC:	Yes	Yes	N/A
Averaging mode:	Yes	No	No
External trigger mode:	Yes	No	No
Analog load bar graph shown on display:	Yes	Yes	Yes
Set points (for pass/fail indication):	Yes, with high/low indicators, markers on analog load bar graph, and outputs	Yes, with high/low indicators, markers on analog load bar graph, and outputs	Yes, with high/low indicators, markers on analog load bar graph (no output)
Display:	Graphic, backlit LCD, with backlight auto-off	Graphic, backlit LCD, with backlight auto-off	Graphic, backlit LCD, with backlight auto-off
Password protection:	Yes, for calibration and individual keys	No	No
Peak readings always displayed:	Yes	Yes	Yes
Programmable audible tones (beeps):	Yes	Yes	Yes
Certificate of calibration:	NIST-traceable with data (10 points in each direction)	NIST-traceable with data (10 points in each direction)	NIST-traceable without data (data is available for an additional charge)
Configurable calibration (weight increments and no. of data points):	Yes	Yes	Yes
Overload outputs:	Dedicated pins for tension and compression	Dedicated pins for tension and compression	No
No. of units of measurement:	5	5	3
Capacity Range / No. of Capacities:	0.12 lbF – 500 lbF / 11 [0.5 N - 2500 N] / 11	0.12 lbF – 500 lbF / 11 [0.5 N - 2500 N] / 11	0.12 lbF – 500 lbF / 11 [0.5 N - 2500 N] / 11
Reversible housing:	Yes	Yes	Yes
Dimensions:	2.5 x 5.9 x 1.3 in. [64 x 150 x 33 mm]	2.5 x 5.9 x 1.3 in. [64 x 150 x 33 mm]	2.5 x 3.9 x 1.5 in. [64 x 99 x 38 mm]
US List Price (base):	\$995	\$795	\$625