




Comparison Chart Series 5 – 4 – 3	 <b>Series 5</b>	 <b>Series 4</b>	 <b>Series 3</b>
<b>Accuracy (FS ±1 digit):</b>	±0.1%	±0.2%	±0.3%
<b>Sampling rate:</b>	7,000 Hz	3,000 Hz	2,000 Hz
<b>Resolution:</b>	1/5,000	1/2,000	1/1,000
<b>Data outputs:</b>	USB, RS-232, Mitutoyo, Analog	USB, RS-232, Mitutoyo, Analog	USB
<b>Programmable auto output via USB/RS-232:</b>	Yes	No	No
<b>MESUR™ Lite software included:</b>	Yes	Yes	Yes
<b>Data output functionality:</b>	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.
<b>ASCII command set for external control (Gauge Control Language 2):</b>	Full command set	"?" only (request current reading)	None
<b>Communication with MESUR™ gauge and MESUR™ Lite:</b>	Full communication	Send data from gauge or request from software (single readings or continuous readings)	Send current (single) readings only, cannot request from software
<b>Communication with ESM301 test stand and Series DC controllers:</b>	Full communication, including PC control	Stop/reverse at force set points, overload protection, and communication through the "?" character only	None
<b>Data memory:</b>	1,000 readings, with output	50 readings, with output	No
<b>Data memory deletion:</b>	Any individual data point, or clear all	Any individual data point, or clear all	N/A
<b>Statistics calculations and output to PC:</b>	Yes	Yes	N/A
<b>Averaging mode:</b>	Yes	No	No
<b>External trigger mode:</b>	Yes	No	No
<b>Analog load bar graph shown on display:</b>	Yes	Yes	Yes
<b>Set points (for pass/fail indication):</b>	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)
<b>Display:</b>	Graphic, backlit LCD, with backlight auto-off	Graphic, backlit LCD, with backlight auto-off	Graphic, backlit LCD, with backlight auto-off
<b>Password protection:</b>	Yes, for calibration and individual keys	No	No
<b>Peak readings always displayed:</b>	Yes	Yes	Yes
<b>Programmable audible tones (beeps):</b>	Yes	Yes	Yes
<b>Certificate of calibration:</b>	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)
<b>Configurable calibration (weight increments and no. of data points):</b>	Yes	Yes	Yes
<b>Overload outputs:</b>	Dedicated pins for tension and compression	Dedicated pins for tension and compression	No
<b>No. of units of measurement:</b>	5	5	3
<b>Capacity Range / No. of Capacities:</b>	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
<b>Reversible housing:</b>	Yes	Yes	Yes
<b>Dimensions:</b>	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]
<b>US List Price (base):</b>	<b>\$975</b>	<b>\$775</b>	<b>\$605</b>