

## KLIPPEL MSPM and SPM SYSTEM - Package Examples

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Currency: EURO. All prices net. (tax, duty, export, import, shipping, support extra).

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### Measurement of small and large signal parameter of small suspension parts (micro speaker, headphones, tweeter, microphones – small membranes < 4cm)

<b>MSPM System – Stand-alone System*</b>		<b>MSPM Pro linear and nonlinear testing</b>	<b>MSPM Lite linear testing</b>
Hardware	Klippel Analyzer 3	6.170 €	6.170 €
Modules	TRF Standard	950 €	950 €
	LPM	950 €	
	MSPM Pro Software (MSPM Lite incl.)	6.800 €	
	MSPM Lite Software		2.800 €
Accessory	LST Bench - external laser fixture	1.400 €	1.400 €
	MSPM Bench	1.500 €	1.500 €
	Laser Set LK-H052	7.600 €	7.600 €
	Translation Stage (incl. Micrometer)	630 €	630 €
	Microphone Mic 40PP-S1 IEPE 1/4" Set	660 €	660 €
	Amplifier QSC PLX1802	1.300 €	1.300 €
total:		<b>27.960 €</b>	<b>23.010 €</b>
*PC with Windows operating system required			

<b>MSPM System - Add-on to Klippel SPM Lite System (with LST Bench - for external Laser or SPM Bench)</b>		<b>MSPM Pro linear and nonlinear testing<sup>1</sup></b>	<b>MSPM Lite linear testing<sup>2</sup></b>
Modules	MSPM Pro Software (MSPM Lite incl.)	6.800 €	
	MSPM Lite Software		2.800 €
Accessory	MSPM Bench	1.500 €	1.500 €
	Laser Set LK-H052	7.600 €	7.600 €
	Translation Stage (incl. Micrometer)	630 €	630 €
	Microphone Mic 40PP-S1 IEPE 1/4" Set	660 €	660 €
total:		<b>17.190 €</b>	<b>13.190 €</b>
<sup>1</sup> Distortion Analyzer 2 or Klippel Analyzer 3, TRF, LPM, LST Bench - external laser fixture or SPM Bench, Amplifier PLX1802 existing			
<sup>2</sup> Distortion Analyzer 2 or Klippel Analyzer 3, TRF, LST Bench - external laser fixture or SPM Bench, Laser Set LK-H052, Amplifier PLX1802 existing			

<b>MSPM System - Add-on to Klippel SCN System</b>		<b>MSPM Pro linear and nonlinear testing<sup>3</sup></b>	<b>MSPM Lite linear testing<sup>4</sup></b>
Modules	MSPM Pro Software (MSPM Lite incl.)	6.800 €	
	MSPM Lite Software		2.800 €
Accessory	MSPM Bench	1.500 €	1.500 €
	Microphone Mic 40PP-S1 IEPE 1/4" Set	660 €	660 €
total:		<b>8.960 €</b>	<b>4.960 €</b>
<sup>3</sup> Distortion Analyzer 2 or Klippel Analyzer 3, TRF, LPM, SCN System, Laser Set LK-H052, Amplifier PLX1802 existing			
<sup>4</sup> Distortion Analyzer 2 or Klippel Analyzer 3, TRF, SCN System, Laser Set LK-H052, Amplifier PLX1802 existing			

<b>MSPM System - Add-on to Klippel R&amp;D System (with Pro Driver Stand)</b>		<b>MSPM Pro linear and nonlinear testing<sup>5</sup></b>	<b>MSPM Lite linear testing<sup>6</sup></b>
Modules	MSPM Pro Software (MSPM Lite incl.)	6.800 €	
	MSPM Lite Software		2.800 €
Accessory	MSPM Bench	1.500 €	1.500 €
	Laser Set LK-H052	7.600 €	7.600 €
	Translation Stage (incl. Micrometer)	630 €	630 €
	Microphone Mic 40PP-S1 IEPE 1/4" Set	660 €	660 €
total:		<b>17.190 €</b>	<b>13.190 €</b>
<sup>5</sup> Distortion Analyzer 2 or Klippel Analyzer 3, TRF, LPM, Professional Driver Stand, Amplifier PLX1802 existing			
<sup>6</sup> Distortion Analyzer 2 or Klippel Analyzer 3, TRF, Professional Driver Stand, Amplifier PLX1802 existing			

**Measurement of small and large signal parameter of suspension parts (spiders, surrounds, cones, passive radiators – with Klippel clamping: diameter up to  $\varnothing$  222 mm; with own clamping: diameter up to  $\varnothing$  490mm)**

<b>SPM System – Stand-alone System* with SPM Pro Bench</b>		<b>SPM Pro linear and nonlinear testing</b>	<b>SPM Lite linear testing</b>
Hardware	Klippel Analyzer 3	6.170 €	6.170 €
Modules	TRF Standard	950 €	950 €
	SPM Pro Software (SPM Lite incl.)	2.400 €	
	SPM Lite Software		950 €
Accessory	SPM Pro Bench Set incl. Ring Set and Cup & Cone Set (metal)	7.590 €	7.590 €
	Cone Set Plastic		470 €
	Laser Set LK-H082	7.600 €	
	Laser Set IL-030		1.300 €
	Microphone Mic 40PP-S1 IEPE 1/4" Set		660 €
	Amplifier QSC PLX1802	1.300 €	1.300 €
	<b>total:</b>	<b>26.010 €</b>	<b>19.390 €</b>
*PC with Windows operating system required			

<b>SPM Lite System – Stand-alone System* with LST Bench for external Laser</b>		<b>SPM Lite linear testing</b>
Hardware	Klippel Analyzer 3	6.170 €
Modules	TRF Standard	950 €
	SPM Lite Software	950 €
Accessory	LST Bench - for external Laser	1.400 €
	Ring Set	1.310 €
	Cone Set (plastic)	470 €
	Laser Set IL-030	1.300 €
	Microphone Mic 40PP-S1 IEPE 1/4" Set	660 €
	Amplifier QSC PLX1802	1.300 €
	<b>total:</b>	<b>14.510 €</b>
*PC with Windows operating system required		