

KLIPPEL R&D SYSTEM - Package Examples

Effective from February 20, 2018. Currency: EURO. All prices net. (VAT, duty, export, import, shipping extra)
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Examples only. Please check components for your application with the specifications or send a request to KLIPPEL.

System for Linear Parameter Measurements		
Hardware*	Klippel Analyzer 3	6.170 €
Modules	TRF Standard - Transfer Function Measurement **	950 €
	LPM - Linear Parameter Measurement	950 €
	total:	8.070 €

Minimal System for Large Signal Woofer Measurements		
Hardware*	Klippel Analyzer 3	6.170 €
Modules	LSI3 Woofer - Large Signal Identification Woofer	5.600 €
	total:	11.770 €
<p>Without laser electrical information available only, no mechanical. The shape of nonlinear curves is exact. To have axis calibrated in absolute terms (N/A or mm) LSI3 needs information from the mechanics. Importing parameters: BI(x=0) and/or MMS (moving mass) is recommended.</p>		

Typical System for Woofer + Tweeter Measurements		
Hardware*	Klippel Analyzer 3	6.170 €
Modules	TRF Pro - Transfer Function Meas. + Rub&Buzz**	1.950 €
	LPM - Linear Parameter Measurement	950 €
	LSI3 Woofer - Large Signal Identification Woofer	5.600 €
	LSI3 Micro-Speaker - Large Signal Identification Micro-Speaker	5.600 €
	DIS - 3D Distortion Measurement Standard	3.300 €
	TBM - Tone Burst Measurement (CEA2010)	1.900 €
Accessories***	Laser Set LK-H052 (all purpose) or Laser Set LK-H082	7.600 €
	Translation Stage	720 €
	Driver Stand	2.660 €
	total:	36.450 €

Typical System for Small Speaker Measurements (Micro Speaker, Multimedia Speaker, Tweeter)		
Hardware*	Klippel Analyzer 3	6.170 €
Modules	TRF Pro - Transfer Function Meas. + Rub&Buzz**	1.950 €
	LPM - Linear Parameter Measurement	950 €
	LSI3 Micro-Speaker - Large Signal Identification Micro-Speaker	5.600 €
	DIS - 3D Distortion Measurement Standard	3.300 €
Accessories***	Microspeaker Clamping	1.210 €
	Laser Set LK-H052 - all purpose	7.600 €
	Translation Stage	720 €
	total:	27.500 €

Scanning Vibrometer System (minimal)		
Hardware*	Klippel Analyzer 3	6.170 €
Modules	TRF Standard - Transfer Function Measurement Standard	950 €
SCN	SCN Vibrometer Set (incl. HW + SW)	27.000 €
Accessories	Laser Set LK-H052 for SCN only	7.100 €
	total:	41.220 €

Typical System for Woofer + Tweeter Measurements with Scanning Vibrometer		
Hardware*	Klippel Analyzer 3	6.170 €
Modules	TRF Pro - Transfer Function Meas. + Rub&Buzz	1.950 €
	LPM - Linear Parameter Measurement	950 €
	LSI3 Woofer - Large Signal Identification Woofer	5.600 €
	LSI3 Micro-Speaker - Large Signal Identification Micro-Speaker	5.600 €
	DIS - 3D Distortion Measurement Standard	3.300 €
	TBM - Tone Burst Measurement (CEA2010)	1.900 €
Accessories	Laser LK-H052 Set (for SCN hardware only)	7.100 €
	Laser Sensor Head LK-H082 with mounting parts & 5m cable	4.600 €
	Translation Stage	720 €
	Driver Stand	2.660 €
	Mic 255 IEPE 1/2" Set	990 €
SCN	SCN Vibrometer Set (incl. HW + Software)	27.000 €
SCN optional modules	Import/Export Interface	1.900 €
	RMA - Rocking Mode Analysis	3.900 €
	Radiation Area SD	1.050 €
	Sound Power/Directivity	1.050 €
total:		76.440 €

Typical System for Micro-Speaker with Scanning Vibrometer		
Hardware*	Klippel Analyzer 3	6.170 €
Modules	TRF Pro - Transfer Function Meas. + Rub&Buzz	1.950 €
	LPM - Linear Parameter Measurement	950 €
	MMT - Microspeaker Multipoint Tool	2.800 €
	LSI3 Micro-Speaker - Large Signal Identification Micro-Speaker	5.600 €
	DIS - 3D Distortion Measurement Standard	3.300 €
Accessories	Laser LK- H52 Set (for SCN hardware only)	7.100 €
	Vacuum Measurement Kit	2.800 €
	Vacuum Stand	940 €
	Mic 255 IEPE 1/2" Set	990 €
	Mic Gooseneck	63 €
	Mic Clamping Adapter; Swivel Head / Ball Joint	39 €
SCN	SCN Vibrometer Set (incl. HW + Software)	27.000 €
SCN optional modules	Import/Export Interface	1.900 €
	RMA - Rocking Mode Analysis	3.900 €
	Radiation Area SD	1.050 €
	Sound Power/Directivity	1.050 €
total:		67.602 €

Typical Simulation Tools - add-on package for typical systems for Woofer, Tweeter or Micro Speaker Measurements		
Modules	SIM - Simulation****	3.570 €
	SIM-AUR - Simulation and Auralization of large signal speaker perform. (with music) *****	4.300 €
	DIF-AUR - Auralization of defect symptoms based on signal differences	3.800 €
total:		11.670 €

*also required: Computer and Amplifier or Klippel Analyzer 3 with Amp Card: 7.170 €

**Measurement Microphone required

***other laser may be required in addition

****DIS required

***** LPM and/or LSI and/or SIM2 required