

KLIPPEL Analyzer System Package Examples

Examples only. Please check components for your application with the specifications or send a request to KLIPPEL.

Effective from September 01, 2020. Currency: EURO. All prices net, EXW (tax, duty, transportation, support extra).

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System for Transducer Parameter Measurement (Linear)		
Hardware ¹	Klippel Analyzer 3 (LSX)	6.780 €
Modules	TRF Standard - Transfer Function Measurement ³	1.040 €
	LPM - Linear Parameter Measurement	1.040 €
total:		8.860 €

Minimal System for Large Signal Woofer Measurement		
Hardware ¹	Klippel Analyzer 3 (LSX)	6.780 €
Modules	LSI3 Woofer - Identification of linear and nonlinear parameters of woofers	6.160 €
total:		12.940 €

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) are recommended.

Typical System for Woofer + Tweeter Measurement		
Hardware ¹	Klippel Analyzer 3 (LSX)	6.780 €
Modules	TRF Pro - Transfer Function Measurement + rub & buzz ³	2.140 €
	LPM - Linear Parameter Measurement	1.040 €
	LSI3 Woofer - Identification of linear and nonlinear parameters of woofers	6.160 €
	LSI3 Micro-Speaker - identification of linear and nonlinear parameters of micro-speakers	6.160 €
	DIS - 3D Distortion Measurement Standard	3.630 €
	TBM - Tone Burst Measurement (CEA2010)	2.090 €
Accessory ⁴	Laser Set LK-H052 (all purpose) or Laser Set LK-H082	7.980 €
	Translation stage (incl. Micrometer)	780 €
	Professional Driver Stand	3.560 €
total:		40.320 €

Typical System for Small Speaker Measurement (Micro-Speaker, Multimedia Speaker, Tweeter)		
Hardware ²	Klippel Analyzer 3 (ALSX) - including internal amplifier	7.880 €
Modules	TRF Pro - Transfer Function Measurement + rub & buzz ³	2.140 €
	LPM - Linear Parameter Measurement	1.040 €
	LSI3 Micro-Speaker - identification of linear and nonlinear parameters of micro-speakers	6.160 €
	DIS - 3D Distortion Measurement Standard	3.630 €
Accessory ⁴	Laser Set LK-H052 (all purpose)	7.980 €
	Translation stage (incl. Micrometer)	750 €
	Micro-speaker Clamping	1.490 €
total:		31.070 €

Scanning Vibrometer System (minimal)		
Hardware ¹	Klippel Analyzer 3 (LSX)	6.780 €
Modules	TRF Standard - Transfer Function Measurement	1.040 €
SCN	SCN Vibrometer Set (incl. hardware and software)	28.770 €
Accessory ⁴	Laser Set LK-H052 (for SCN only)	7.450 €
	total:	44.040 €

Typical System for Woofer + Tweeter Measurement with Scanning Vibrometer		
Hardware ¹	Klippel Analyzer 3 (LSX)	6.780 €
Modules	TRF Pro - Transfer Function Measurement + rub & buzz ³	2.140 €
	LPM - Linear Parameter Measurement	1.040 €
	LSI3 Woofer - Identification of linear and nonlinear parameters of woofers	6.160 €
	LSI3 Micro-Speaker - Identification of linear and nonlinear parameters of micro-speakers	6.160 €
	DIS - 3D Distortion Measurement Standard	3.630 €
	TBM - Tone Burst Measurement (CEA2010)	2.090 €
Accessory ⁴	Laser Set LK-H052 (for SCN only)	7.450 €
	Laser Set LK-H082 (all-purpose)	7.980 €
	Translation stage (incl. Micrometer)	750 €
	Microphone Mic 255 IEPE 1/2" Set	1.100 €
	Professional Driver Stand	3.560 €
SCN	SCN Vibrometer Set (incl. hardware and software)	28.770 €
SCN optional modules	RMA - Rocking Mode Analysis	4.290 €
	Radiation Area SD	1.150 €
	Sound Power/Directivity	1.150 €
	total:	84.200 €

Typical System for Micro-Speaker Measurement with Scanning Vibrometer		
Hardware ²	Klippel Analyzer 3 (ALSX) - including internal amplifier	7.880 €
Modules	TRF Pro - Transfer Function Measurement + rub & buzz ³	2.140 €
	LPM - Linear Parameter Measurement	1.040 €
	MMT - Microspeaker Multipoint Tool	3.080 €
	LSI3 Micro-Speaker - Identification of linear and nonlinear parameters of micro-speakers	6.160 €
	DIS - 3D Distortion Measurement Standard	3.630 €
Accessory ⁴	Laser Set LK-H052 (for SCN only)	7.450 €
	Vacuum Measurement Kit	3.280 €
	Vacuum Stand	1.120 €
	Microphone Mic 255 IEPE 1/2" Set	1.100 €
	Mic Gooseneck	70 €
	Mic Clamping Adapter; Swivel Head / Ball Joint	40 €
SCN	SCN Vibrometer Set (incl. hardware and software)	28.770 €
SCN optional modules	RMA - Rocking Mode Analysis	4.290 €
	Radiation Area SD	1.150 €
	Sound Power/Directivity	1.150 €
	total:	72.350 €

System for Measurement of Balanced Armature Transducer with Scanning Vibrometer		
Hardware ²	Klippel Analyzer 3 (ALSX) - including internal amplifier	7.880 €
Modules	TRF Pro - Transfer Function Measurement + rub & buzz ³	2.140 €
	LPM - Linear Parameter Measurement	1.040 €
	BAC - Balanced Armature Check	5.720 €
	DIS - 3D Distortion Measurement Standard	3.630 €
Accessory ⁴	Laser Set LK-H052 (for SCN only)	7.450 €
	Vacuum Stand (Micro-Speaker fixture on SCN turntable)	1.120 €
	Microphone Mic 255 IEPE 1/2" Set	1.100 €
	Mic Gooseneck	70 €
	Mic Clamping Adapter; Swivel Head / Ball Joint	70 €
SCN	SCN Vibrometer Set (incl. hardware and software)	28.770 €
SCN optional modules	Radiation Area SD	1.150 €
	total:	60.140 €

Typical Simulation Tools - for typical systems for Woofer, Tweeter or Micro Speaker Measurements

Modules	SIM - Simulation ⁵	3.920	€
	SIM-AUR - Simulation and Auralization of large signal speaker perform. (with music) ⁶	4.730	€
	total:	8.650	€

¹also required: Computer and Amplifier or Klippel Analyzer 3 with Amp Card: 7.170 €

²also required: Computer

³Measurement Microphone required

⁴other laser may be required in addition

⁵DIS required

⁶LPM and/or LSI and/or SIM2 required