

Hillgus für Windows™

	Identification	Applications	Possibilities
1.	A-scan system	<ul style="list-style-type: none"> • Computer controlled, manual testing • Indication of defects 	<ul style="list-style-type: none"> • Online A-scan display, • Reference A-scan • Measurement of three amplitudes • Measurement of three times of flight • Protocol • A-scan ASCII-file for evaluation with other programs
	Option Young's-modulus	<ul style="list-style-type: none"> • Automatic calculation of the Young's-modulus 	<ul style="list-style-type: none"> • Protocol
	Option data recorder	<ul style="list-style-type: none"> • Material characterisation • Long-time monitoring • Health-Monitoring using Lamb waves 	<ul style="list-style-type: none"> • Storage of amplitudes, times of flight and/or full-wave A-scans within selectable time intervals
	Option Bt-scan	<ul style="list-style-type: none"> • Manual testing with imaging 	<ul style="list-style-type: none"> • Presentation of views in cross-sectional direction (side view)
	Option FFT	<ul style="list-style-type: none"> • Checking transducers • Material characterisation 	<ul style="list-style-type: none"> • Computing of the frequency spectrum of echoes located in a gate range • Automatic and manual measurements of the bandwidth utilising the cursor
2.	C-/D-scan	<ul style="list-style-type: none"> • Two-dimensional plot of the amplitude • Two-dimensional plot of the time of flight 	<ul style="list-style-type: none"> • Automatic testing of components • Reference C-D-scan • Histogram -plots
3.	Option B-scan	<ul style="list-style-type: none"> • Full-wave A-scan recording along a line 	<ul style="list-style-type: none"> • Plot of the reflector depth
4.	Option Volume-scan	<ul style="list-style-type: none"> • 3D-data file for the calculation of A-, B-, C-, and D- scans, signal analysis 	<ul style="list-style-type: none"> • Full-wave A-scan recording of a defined area
5.	Option Software-gain	<ul style="list-style-type: none"> • Subsequent adjustment of amplitudes • Adjustment of sensibility 	<ul style="list-style-type: none"> • Adjustment of the amplitudes in 0.1 dB- steps after capturing the data • Distance-amplitude control
5.	Option Frequency-scan	<ul style="list-style-type: none"> • Additional information for the evaluation of C- scans 	<ul style="list-style-type: none"> • Two dimensional frequency plots of the highest spectral amplitude
7.	Option Software -filters	<ul style="list-style-type: none"> • Enhancement of resolution • Enhancement of the signal to-noise-ratio 	<ul style="list-style-type: none"> • Real-time or subsequent high-, low-, or band pass filtering at any frequencies