



Multi2000 Pocket

acquisition	acquisition trigger on event (threshold, echo, etc.), acquisition on user-specified trigger (e.g., time, coder) choice of data (e.g., RF, peaks, elementary A-Scan), real-time imaging , user-specified configuration public file format for parameters (XML) and data (binary), max. data flow 30 MB/s
phased-array	custom focusing , electronic scanning, sectorial scanning , DDF inspection modes : pulse-echo and transmit-receive modes fast multiplexing, corrected images (e.g., sectorial B-Scan, C-Scan)
pulsers	adjustable voltage : 10 to 80V with 1V step, negative rectangular pulse adjustable width : 30 ns to 625 ns, step of 2.5 ns, rise time < 10 ns (80V, 50 Ω), max. PRF : 30 KHz
receivers	bandwidth : 0.8 to 20MHz, adjustable gain on each channel from 0 to 80 dB adjustable analog DAC on 50 dB (max. 40 dB/μs) synchronized on events cross-talk between two channels > 50 dB, max. input signal amplitude: 0.8 Vpp
digitizer	max. sampling frequency : 100 MHz (adjustable from 100 MHz to 6.6 MHz), range : 10 bits input impedance : 50 Ω, global delay : 0 up to 1.6 ms, step of 10 ns delay-laws at transmission/reception: 0 to 20 μs, step of 2.5 ns digitizing depth: up to 50,000 samples (8,000 samples max. per elementary channel)
embedded processors	FPGA on CPU-board
hardware configuration	Multiplexed architecture: 16x64
NDT simulation	CIVA subset into Multi2000 software, complete description of the inspection configuration focal-laws and associated ultrasonic field computation
compatibility	CIVA, NDT kit / ULTIS
platform	Windows-based PC, USB2 link between Hardware and PC (desktop or laptop)
dimensions	L x W x H : 212mm x 145mm x 70mm - Weight : ~1,3kg (battery included)
I-O	1 Hypertronix connectors, 3 encoders input, 1 external trigger 1 USB2, 2 LEMO connectors (type 00) External power supply input

* Performance may be reduced depending on the settings.

