



ΕΛΛΗΝΙΚΗ ΑΕΡΟΠΟΡΙΚΗ ΒΙΟΜΗΧΑΝΙΑ Α.Ε.

ΠΡΟΜΗΘΕΙΑ ΠΑΛΜΟΓΡΑΦΟΥ 500MHz

ΠΑΡΑΡΤΗΜΑ Α – ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ ΠΡΟΜΗΘΕΙΑΣ

Analogue channels	4
Analogue bandwidth	$\geq 500 \text{ MHz @ -3dB, } 50\Omega$
Analogue channel sampling rate	$\geq 5\text{Gsa/s}$
Analogue channel input impedance	1M Ω , 50 Ω typical
Analogue channel max. sensitivity	$\leq 50\text{mV}$ for 10 divisions at full bandwidth & resolution, 50 Ω
Analogue channel min. sensitivity	$\geq 50\text{V/div}$ with 10:1 probes, 1M Ω
Analogue channel memory	$\geq 2 \text{ Mpts/chan}$
Logic analyzer channels	16
Minimum detectable pulse width	$\leq 5 \text{ ns}$
Logic analyzer input impedance	100k Ω typical
Logic channel threshold	-1.3 to 8V or beyond
Logic channel sampling rate	$\geq 1 \text{ Gsa/s}$
Logic channel memory	$\geq 2 \text{ Mpts/channel}$
Fastest sweep	500ps/div
Simultaneous display of all channels	Yes
Trigger	On analogue channels, on digital channels, on digital pattern, on data, on runt
Data decoding on board	Trigger and decode RS232, MIL-STD-1553, I ² C, SPI, CAN, NRZ

Cursors	Time, voltage
Measurement functions	RMS
Math channel	Addition, subtraction
Autoscale	Yes
Display stored waveform	Simultaneously with active waveforms
Display size	≥ 8" inch
Screenshot to USB	Yes
Waveform data to USB	Yes
Calibration manual	Concise instructions for the in-house calibration of the instrument shall be provided
Recommended calibration interval	≥ 12 months
Probe compensation adjust output	Yes
Analogue probes supplied	Qty. 4, ≥ 500MHz (-3dB) passive probes with removable, retractable hook and crocodile ground clip, 10MΩ input impedance when connected to oscilloscope, input capacitance 13pF or less, maximum continuous input: ≥ 230Vrms 50Hz (isolated) IEC CAT II. Length ≥ 1m.
Logic probes supplied	As required for 16 simultaneous inputs and at least one ground connection. Sixteen grabbers suitable for probing 0.1" DIP packages and for 0.05" SOIC packages. Length: ≥ 60cm.
Spare logic probe grabbers	16 or more spare grabbers must be provided beyond those provided with the instrument, i.e. at least 32 grabbers in total shall be provided.
Accessories	Front panel cover, Carrying case (soft and/or hard) with additional storage for probes and accessories