

AL-320

The AL-320 logic analyzer is designed for the display and analysis of digital signals. It is a practical, economical and easy to use instrument, especially recommended for teaching institutions and industrial maintenance services.

The base model offers a data acquisition frequency of 25 MHz and a TTL trigger level. Options and accessories are available for a data acquisition frequency of 100 MHz and variable trigger level.

Easy of use

Logic analyzers have always been instruments that are easy to handle. The more sophisticated the instrument the more complex it is to utilize. In Promax we have worked to improve ease of use and minimize the time needed to learn to operate these instruments.

The instruments allow data output to be shown on the display, formatted in the most convenient form for the user (Binary, Octal, Hex Decimal or ASCII). The user can define a "tag" and group any number of channels under it. This information can furthermore be displayed on any base.

Multilevel trigger sequence

One of the features to be highlighted with regards to logic analyzers is the accuracy of the data acquired. In order to be able to call up the desired information at any time, very sophisticated triggering is required.

The AL-320 analyzer is equipped with a trigger controlled by a 4 level sequence (totally addressable at each step), which can be applied individually or in group so that the conditions of triggering may be altered at any time.

Search and compare

The differences between the data and the contents of the reference memories can be



MODEL	AL-320	AL-320 + Option OPT-320-02
Max. n° of channels		
DC to 25 MHz	32	32
DC to 100 MHz	No	8
Trigger level	TTL	Variable
Glitches capture	No	Up to 5 ns
Memory	2K word of 32 bits	2K word of 32 bits
Non volatile memories	20	20
Computer connection	Yes	Yes
Availability of disassemblers		
Microprocessors 8 bits: Z-80 6502 8085		
Microcontrollers 8031/8051		

shown on the display. Comparison can be conducted on any area of data and acquisition can be delayed where matching/non matching is ascertained.

Non-volatile memories

Each of the two pieces of equipment have 10 non-volatile memories available with 10 configurations. Storage of data and its configurations is thus ensured for future use.

Multiple clocks

The AL-320 is equipped with three external clock inputs, each of them selectable by level or by edge so that synchronous signals of complex variation can be called up.

Called up data can be printed for later analysis.

SPECIFICATIONS	AL-320	Mechanical features	
Max. n° of channels	32 (DC to 25 MHz)	Dimensions	W. 260 x H. 88 x D. 235 mm
Clock signals	3 independent, level or side	Weight	2 kg approx.
Data memory	2 K words of 32 bits	Options	
Reference memory	2 K words of 32 bits	OPT-320-02	Up to 100 MHz 32 channels (DC to 25 MHz) 8 channels (DC to 100 MHz) 16 channels (glitches capture) Variable trigger level from -2.5 to 7.3 V
Non volatile memory	10 acquisition / 10 set-up	Included accessories	Pod 32 channels, 25 MHz, TTL levels, test leads, instructions manual
Trigger sequence	4 levels of 4 words (32 bits)	Optional accessories	
Trigger level	TTL (1,4 V)	PA-322	Kit conversion of AL-320 to sampling with a 100 MHz with variable trigger level
Channel display	6 channels, simultaneously	RM-320	Kit connection to PC
Zoom	x1, x2, x4, x8, x16	Disassambler	Z-80, 6502, 8085, 8031/8051
Groups of channels	16 groups. 32 channels / group		
Display format	Binary, Octal, Hex, Dec, ASCII		
Power supply			
Mains voltage	110/120 or 220/240 VAC/50-60 Hz		
Consumption	25 W		