

2 CHARACTERISTICS

A. Performance Characteristics

- PHILIPS and FLUKE guarantee the properties expressed in numerical values with stated tolerance. Specified non-tolerance numerical values indicate those that could be nominally expected from the mean of a range of identical instruments.
- For definitions of terms, reference is made to IEC Publication 351-1.
- The accuracy of all measurements is within $\pm \{(\% \text{ of reading}) \pm (\text{one least-significant digit})\}$ from 18C to 28C.
Add $0.1 \times (\text{specified accuracy})/C$ for $< 18C$ or $> 28C$ ambient.

B. Safety Characteristics

The instrument has been designed and tested in accordance with IEC Publication 348, Safety Requirements for Electronic Measuring Apparatus, and has been supplied in a safe condition. This manual contains information and warnings that must be followed by the user to ensure safe operation and to keep the instrument in a safe condition.

2.1 DISPLAY

CHARACTERISTICS	SPECIFICATIONS	ADDITIONAL INFORMATION
* Type	LCD	
* Useful Screen Area	84 mm x 84 mm	1 div equals 25 pixels. 1 div equals 8.75 mm.
Resolution	240 x 240 pixels	
* Contrast Ratio		Adjustable via LCD Menu.
* Backlight (Model 97 only)	Electro Luminescence	

2.2 SIGNAL ACQUISITION

* Sampling Type		
@ 1 μ s/div...60s/div	Real Time	
@ 10 ns/div...500 ns/div	Quasi Random	
* Maximum Sample Rate	25 MS/s	Sampling Rate depends on time/div setting.
* Maximum Vertical (voltage) Resolution	8 bits	Over 10 divisions.
* Maximum Horizontal (time) Resolution	25 Samples/div	Per Channel.
* Record Length		
With capture 20 div	512 Samples	Per Channel.
With capture 10 div	256 Samples	Per Channel.