



# Agilent Technologies 54620C Color 16 Channel Logic Analyzer

Data Sheet

## Product Specifications

### Record length:

2K for sample period  $\geq 8$  ns  
(sweep speeds of 1  $\mu$ s/div to  
1 s/div with auto glitch enabled)  
8K for sample periods of 4 and 2 ns  
(sweep speeds of 500 ns/div and faster and  
all sweep speeds with auto glitch enabled)

### Glitch detect:

Automatically activated when sampling period  
is slowed to  $< 4$  ns (1  $\mu$ s/div and slower).

Minimum detectable glitch: 3.5 ns

### Setup functions

Autoscale, 16 saved setups, two trace memories,  
channel labeler (with 75 preset and user-  
defined labels)

### TIMEBASE specs

Timebase range: 1 s/div to 5 ns/div (main & delayed)

Timebase accuracy: 0.01% of reading

Timebase cursor accuracy:

Single channel:  $\pm$ (sample period + 0.01% of reading  
+ 0.2% of screen width)

Dual channel:  $\pm$ (sample period + 0.01% of reading  
+ ch-ch skew + 0.2% of screen width)

Maximum sample rate: 500 MSa/sec

### TRIGGER specs

Trigger sources: All channels and external

Auto/normal operation

Auto-trigger: Free-running display if trigger not found

Normal: Analyzer will wait indefinitely for trigger

Modes

Edge, pattern, advanced (2 pattern and edge terms).

Advanced operators: Or, Then, Entered, Exited, Duration

> time, Occurs N times

ENVIRONMENTAL specs

Interface

Compatible with Agilent 54650A, Agilent 54651A, and Agilent 54652B interface modules, and Agilent 34810A BenchLink/Scope software

Net Weight 6.8 kg (15 lbs)

Size 172.7 mm H X 322.6 mm W X 317.5 mm D  
(6.8 X 12.7 X 12.5 in)

Warranty 3 year