

4291B

SPECIFICATIONS

Range	512 ns to 4 μ s (option) 9 bits, in step of 32 ns 10 bits, in step of 64 ns Linearly adjustable with VRC in range of 4 (internal RC potentiometer)
Resolution	9 bits plus overflow or 10 bits without overflow
Zero time	9 bits, 2 ± 1 counts, 10 bits 2 ± 1 counts
Zero Autotrim Range	9 bits, $\pm 5\%$ of FS, 10 bits $\pm 10\%$ of FS
FS Time	9 bits, 514 ± 1 counts, 10 bits 1026 ± 2 counts
FS Autotrim Range	$\pm 2\%$ of FS
Range of measure	9 bits, from 2 at 511 counts 10 bits, from 2 at 1023 counts
Linearity	$\pm 1,5$ counts of best fit straight line
Time Conversion	9 bits, 36 μ s - 10 bits, 68,8 μ s

INPUTS CHARACTERISTICS

P1, P2 Connectors	2 3M 3431-1302 (polarizing key 3518 on request) Front panel 34 pins connectors
Levels	Differential ECL levels (- 0,8V; - 1,7V) Threshold - 1,3V Common mode $\pm 0,3V$ Not protected Sensitivity ± 200 mV differential
Impedance	$110\Omega \pm 5\%$ differential, direct coupled 55 Ω on ground, AC coupled Reflection $< 10\%$ for complementary ECL signal of 2 ns rise time
Width	> 20 ns
Double Pulse Resolution	Not applicable in Common Start mode < 250 ns