

FCA3100/3000 Series



30-SECOND SELL

“These Tektronix frequency counters offer precision frequency and time measurements with industry-leading analysis.”

PRODUCT HIGHLIGHTS

- 12 digit/sec frequency resolution
- 50 ps (FCA3100) or 100 ps (FCA3000) single-shot time resolution
- 0.001° phase resolution
- 250 k readings/sec data transfer rate to internal memory
- 13 automated frequency, time, phase and voltage measurements



See how your device is changing over time with built-in analysis modes – TrendPlot™, histograms and statistics.



Easily connect to a PC with the USB and GPIB ports.

MODELS	STOCK CODE	MAX. FREQUENCY	CHANNELS	TIME RESOLUTION	FREQUENCY RESOLUTION
FCA3000	1824794	400 MHz	2	100 ps	12 digit/s
FCA3003	1824795	3 GHz	2 – 400 MHz 1 – 3 GHz	100 ps	12 digit/s
FCA3020	NIC	20 GHz	2 – 400 MHz 1 – 20 GHz	100 ps	12 digit/s
FCA3100	NIC	400 MHz	2	50 ps	12 digit/s
FCA3103	NIC	3 GHz	2 – 400 MHz 1 – 3 GHz	50 ps	12 digit/s
FCA3120	NIC	20 GHz	2 – 400 MHz 1 – 20 GHz	50 ps	12 digit/s

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RECOMMENDED ACCESSORIES

174-4401-xx	USB Host to Device Cable, 3 Feet
012-0991-xx	GPIB Cable, Double Shielded
012-1256-xx	BNC Male to BNC Male, 9 Feet
ACD4000	Soft Carrying Case
HCTEK-4321	Hard Carrying Case
RMU2U	Rackmount Shelf Kit for 2 Units
TVA3000	TimeView™ Modulation Domain Analysis Software

INSTRUMENT OPTIONS

MS	Medium Stability OCXO Timebase, 2 X 10 ⁻⁷
HS	High Stability OCXO Timebase, 5 X 10 ⁻⁸
RP	Rear-panel Connectors


RECOMMENDED SERVICE

SILV200	5-year Extended Warranty (FCA3000, FCA3003, FCA3100, FCA3103)
SILV400	5-year Extended Warranty (FCA3020, FCA3120)

SHIPS WITH PRODUCT

- Trial Version of TimeView™ Software and NI LabVIEW SignalExpress™ TE (LE version) Software
- Calibration Certificate
- User Manual on CD
- Programmers Guide & Technical Specifications
- Power Cord
- 3-year Warranty

TOOLS FOR THE CUSTOMER

 Data Sheet

 360° View

FOR MORE INFO VISIT
TEK.COM/FREQUENCY-COUNTER/FCA3000-3100

3 Reasons to Buy this Product

- 1 High resolution measurements to evaluate signal parameters accurately.
- 2 Computer interface is designed to simplify replacing older HP/Keysight 531xx Counter/Timers.
- 3 Unique Timeview™ PC software analyzes frequency and period changes over time.