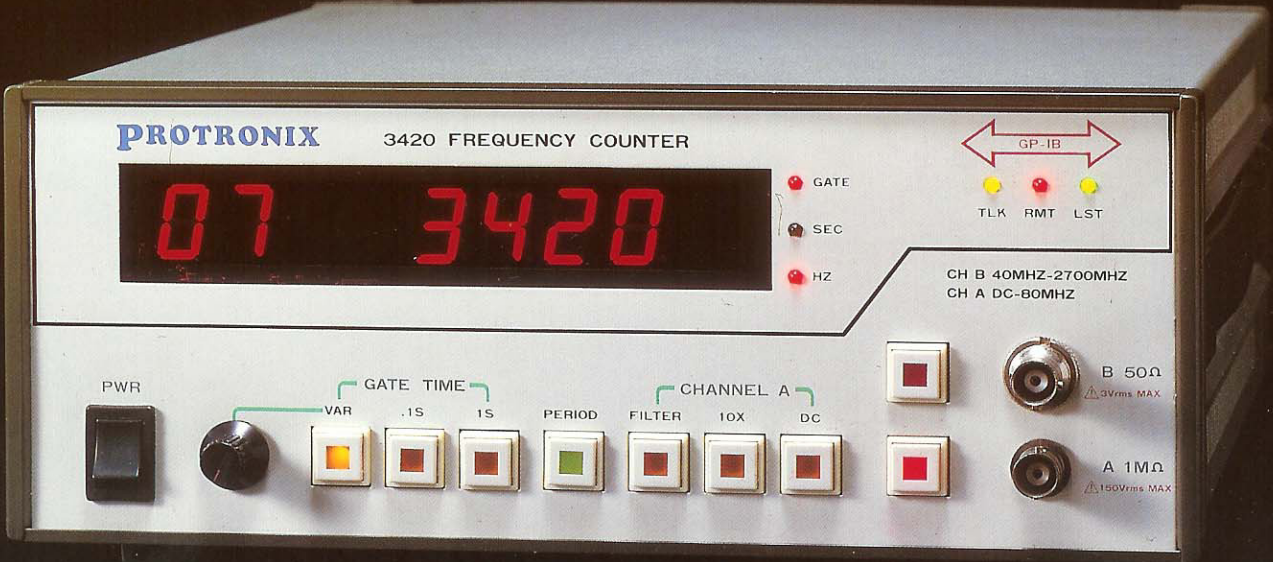


Protronix

FREQUENCY COUNTER MODEL 3420

**1 PPM TCXO TIME BASE
HI SENSITIVITY INPUT
15mV TO 1.8GHz
25mV TO 2.7GHz
FAST 8 DIGIT DISPLAY
20ms ~ 10s VARIABLE GATE TIME**



Direct Measure up to 2.7GHz



Protronix

SPECIFICATION FREQUENCY

	CH. A	CH. B
RANGE	0.6Hz ~ 80MHz	40MHz ~ 2.7GHz or more
SENSITIVITY	0.6Hz ~ 80MHz < 20mVrms	40MHz ~ 1.8GHz < 15mVrms 1.8GHz ~ 2.7GHz < 25mVrms less than 300mV
INPUT IMPEDANCE	1M Ω //25pF	50 Ω
MAX. INPUT	150Vp-p (AC + DC)	3Vp-p (AC + DC) (need 10:1 Att.)
ACCURACY	\pm (1 digit \pm time base accuracy)	

CH. A AUXI. FUNCTION

DC	To select DC coupling
FILTER	100KHz at 3dB point
10X	To divide CH. A signal by 10

DISPLAY COUNT

Maximum 8 digit \pm E
0.5" High efficiency red seven segment display

GATE TIME CONTROL

Range of 1S, 0.1S & VARIABLE are selectable
VARIABLE range 20mS ~ 10S continually adjustable

TIME BASE

10MHz TCXO is system clock and time base reference

* \pm 1PPM

Time base output at rear panel

* External time base can be input from rear panel by BNC connector (10MHz only)

PERIOD

RANGE	0.4×10^{-9} s ~ 10s
ACCURACY	\pm (1 digit \pm time base accuracy)

READ OUT UNIT

Hz or SEC with 8 digit and scientific exponent

PANEL OPERATION

Momentary SW with different color LED confirm the function

GP-IB

Standard full TALK and LISTEN function with address setting switch

GENERAL

DIMENSION	260(W) \times 100(H) \times 340(D) mm
POWER	AC 115V/230V \pm 10%, 50/60Hz, 30W
WEIGHT	4Kgs

specifications subject to change without notice

MANUFACTURER & EXPORTER

Protronix Instrument Corp.

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TAIPEI 114, TAIWAN, R.O.C.

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