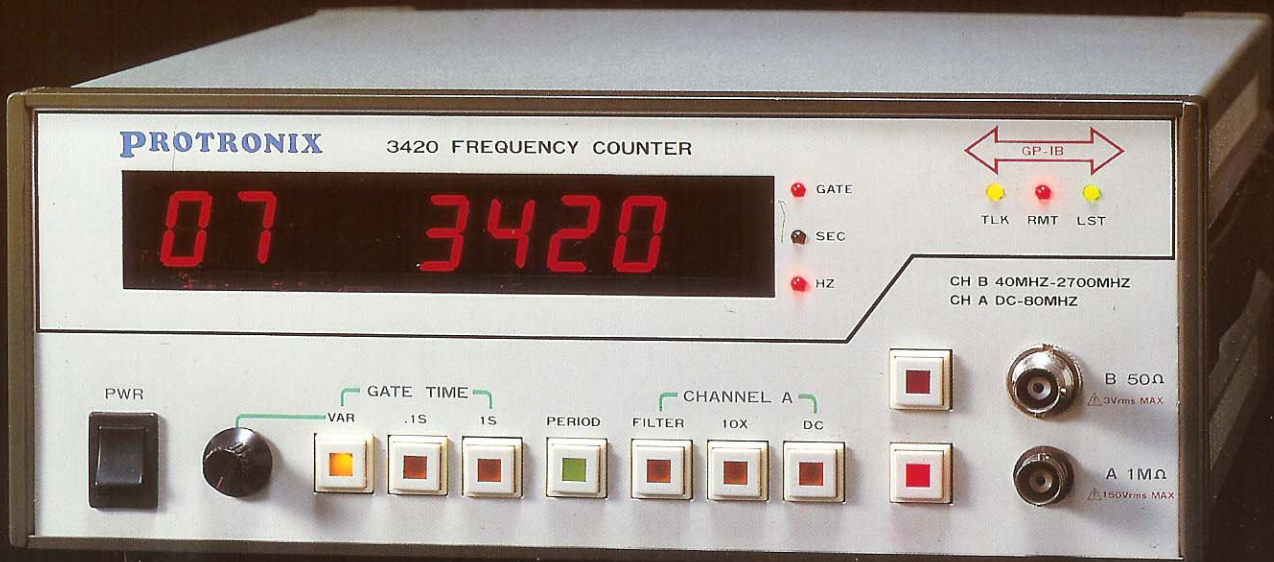


**Protronix**

GP-IB

# **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 $\Omega$ //25pF	50 $\Omega$
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	$0.4 \times 10^{-9}$ 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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