



FREQUENCY METER DIGITAL COUNTER DOT 421



Color may vary

- Range 10 Hz to 1300 MHz (10 Hz to 1.3 GHz)
- 8 digit LED display
- Dual Channel
- Multi Function counter

Technical Specifications

Frequency Measurement

Channel	Range	Resolution	Accuracy
A	10Hz to 10MHz	1, 10, 100Hz, (selectable)	\pm count $\pm 1 \times 10^{-5}$ x Frequency (month)
	10MHz to 100MHz	10, 100, 1000Hz, (selectable)	\pm count $\pm 1 \times 10^{-6}$ x Frequency (minute)
B	100MHz to 1300MHz	100Hz, 1kHz, 10kHz, (selectable)	
\pm count \pm time base error x frequency			

Period Measurement

Channel	Range	Resolution	Accuracy
A (Only)	0.S to 0.1 μ S	0.0 μ S to 0.00 μ S	\pm count $\pm 1 \times 10^{-5}$ x Period (month) \pm count $\pm 1 \times 10^{-6}$ x Period (minute)
\pm count \pm time base error x period			

Time base error

Long term stability 1×10^{-5} (month)
(minute)

Short term stability 5×10^{-6}

Input Characteristics

Specification	Channel A	Channel B
Input Voltage sensitivity	10Hz-8MHz=25mVrms, 8MHz-10MHz =50mVrms 10MHz-80MHz=25mVrms, 80MHz-100MHz =50mVrms	20mV rms
Impedance	Approx. 1M Ω less than 35pF	Approx. 50 Ω
Voltage	Maximum voltage protection: 250V rms	Max i/p voltage: 3V rms
Attenuation	x1, x 20 fixed	-----

General Specifications

Specification	Particular
Display	8 digit, 10mm high Red LED display with decimal point
Over range indications	OFL indication is lit
Temp-Operating & Store,	0°C to 40°C & -10°C to 50°C, Humidity 20% to 80% RH
Power Requirement	198-264V AC, 50/60Hz or 90-132V AC, 50/60Hz
Safety	Designed to IEC 1010-1 standard
Size & Weight	300 (L) x 260 (W) x 74 (H) mm & ~2kg

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DOT TECHNOLOGIES

(An ISO 9001:2015 Certified Company)

25, Victoria Road, Victoria Layout, Bangalore-560047 INDIA; Email: sales@dottech.in, info@dottech.in; web: www.dottech.in
Phone: +91 8970010661 /+91 7483641565