

# Protek

## FUNCTION GENERATOR Protek 9205A



The Protek 9205A function generator is a product that greatly improves the commerciality and specifications of the existing product, and improves user convenience. In addition, it supports various functions such as amplification function and frequency counter function, so it is a product that can be used in fields such as electricity, electronics, communication production, education, and research.

### Feature

- 0.1Hz to 2MHz frequency output
- 6 Digit LED Display (previously 4 Digit)
- Built-in 10MHz frequency counter (existing 2MHz)
- Possible to output sine wave, square wave, triangle wave, sawtooth wave, ramp wave, etc.
- Supports TTL / CMOS synchronous output function
- Fast frequency response 0.1Hz ~ 100kHz  $\pm 0.5$ dB or more
- Frequency distortion within  $\pm 1\%$
- Attenuator amplification function supported (20dB, 40dB)
- Intuitive button and knob configuration for user convenience

# Specifications

Model		Protek 9205A
Frequency Output	0.1 Hz ~ 2 MHz	
Waveform	Sine, triangle, square, positive & negative pulse, positive & negative ramp	
Impedance	50Ω±10% about	
Amplitude	0~ 20 Vpp ( Open circuit ), 0~10Vpp	
DC Offset	0~ ±10V continuous variable	
Duty Cycle	10~ 90%	
Rise Time	<100 ns	
Waveform Characteristics	distortion rate	~±1% ( 10Hz~ 100kHz)
	frequency response	0.1Hz ~ 100KHz ± 0.5dB or less 100KHz ~ 2MHz ± 1dB or less
TTL / CMOS	output level	TTL Pulse : Low level 0.4V, High level 3.5V, CMOS Pulse : ~0.5V, High level 5V ~ 14V continuous adjustment
	Rise time	~100ns
VCF	Input Voltage	-5V ~ 0V±10
	control ratio	1000 : 1
	input signal	DC – 1kHz
Frequency Counter	Range	1Hz ~ 10MHz ≥ 10Vpp
	Impedance	1 MΩ/20F
	input sensitivity	100 mVrms
	Input level	150 V ( AC+DC )
	input attenuation	20 dB
Attenuation	20dB, 40dB selected	
Display	6 Digit LED Display (Green)	
Accuracy	0.05%±1 Digit	
Input Power	110~ 220V (±10%), 50/60Hz	
Environment	Temperature : About 10 ~ 39°C, Humidity : ~80%RH	
Size	270mm(W) x 225mm(L) x 90mm(H), About 2.5kg	
Certifications	KC, CE	
Accessories	Power cable / User manual / BNC-Alligator Cable	

Specifications and design of this product are subject to change without prior notice for product improvement and quality improvement.