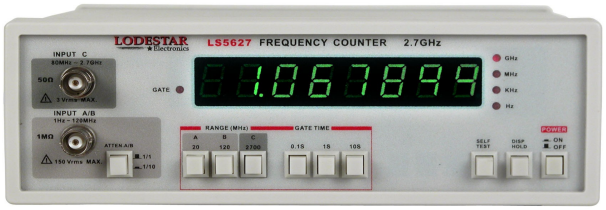
Models LS5627 and LS5630

Frequency/Universal Counter

LS5627



LS5630

These microprocessor-controlled counters are easy-to-use, versatile and full-featured. Frequency coverage is 1 Hz to 3 GHz (LS5630) and 1 Hz to 2.7 GHz (LS5627). The LS5630 also offers period measurement and pulse totalizing functionality.

Features

- Microprocessor-controlled easy-to-use counters.
- Temperature-controlled crystal oscillator provides a stable time base.
- Easy to read, bright eight digit display.
- Totalizing mode for many applications, for example, piece and event counting.
- Wide range of selectable gate times.
- Display hold Function.
- Light weight and compact size.
- Self-test function for LCD display and indicators.

Specifications subject to change without notice.

Specifications

Frequency Characteristics	Range	Input A: 1Hz-20MHz Input B: 100kHz-120MHz Input C: 80MHz-3000MHz (LS5630) Input C: 80MHz-2700MHz (LS5627)
	Accuracy	Error of timebase ± 2
	Resolution	100 nHz maximum for 1Hz signal (1s gate time) (10Hz for 100 MHz input signal, 1s gate time)
Input Characteristics	Sensitivity	Input A: 50mV rms Input B: 25mV rms Input C: 50mV rms 2.5GHz–3GHz: 100mVrms (LS5630 only)
	Impedance	Input A/B: 1MΩ Input C: 50Ω
	Attenuator	x1 or x10 user selectable (Input A/B only)
	Max input level	Input A/B: 150Vrms Input C: 3Vrms
Timebase	Stability	<5ppm (0-50 °C)
	Type	TXCO (Temperature Controlled Crystal Oscillator)
	frequency	20 MHz
Modes and Features	Display	8 digits LED
	Indicator	Frequency range: Hz, kHz, MHz, GHz Period range: ms, us, ns LED (LS5630 only)
	Gate time	0.1, 1s, 10s (LS5627) 0.01s, 0.1s, 1s 10s (LS5630)
	Totalizing capacity	0-99999999

Power Requirements	AC 110V/220V ±10% selectable, 50/60Hz, 15W
Operating Environment	Operation: 0° to +40 °C, 75% R.H. Storage: -15° to +70 °C, 85% R.H
Accessories included	AC Line Cord Instruction manual Spare Fuse 1 set of test leads
Dimensions (W x H x D):	210 x 83 x 235 mm (8.25 x 3.25 x 9.25 inches)
Weight:	2.2 kg (4.8 lbs.)

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