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## TECHNICAL SPECIFICATION OF "FUNCTION GENERATOR"

**1.0 Scope:** This function generator shall generate and measure the frequencies upto 50 kHz with different waveforms like sine, square, ramp and pulse wave forms.

### **2.0 Key Features:**

- 2.1 DC Offset Adjustment
- 2.2 High signal purity and constant amplitude flatness throughout the entire range
- 2.3 Auto ranging 0 to 1 MHz Frequency Counter
- 2.4 50 mV sensitivity for stable display for external signal frequency
- 2.5 Backlit display for modes and frequency Function Generator
- 2.6 5 digit LED display (including 3 digits for voltage)
- 2.7 Frequency and amplitude displayed simultaneously

### **3.0 Parameters :**

- 3.1 Operating Modes : Sine, Square, Triangle, Pulse & DC Free running
- 3.2 Frequency Counter : 0- 1 MHz
- 3.3 Frequency Range : 0 – 50 kHz.
- 3.4 Output Voltage: 10 Vpp into 50 , max. 20 Vpp open circuit.
- 3.5 DC Offset: Variable offset range: max.  $\pm 2.5$  V into 50, max.  $\pm 5$  V open circuit
- 3.6 Duty Cycle : 20 – 80%
- 3.7 Attenuation: min 10dB in steps up to 30 dB
- 3.8 Power Supply : 230V  $\pm 10\%$ , 1-Ph, AC
- 3.9 TTL output:  $\geq 4$ Vpp

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<p><b>5.0 Accessories:</b></p> <p>Accessories shall include all chords including BNC to BNC, BNC to crocodile, etc., Carrying Case and user manual.</p> <p>BHEL Material Code : TC97 65288000</p>		
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