System Controller K 104

The system controller device K 104 is a new type of microprocessor unit which allows standard interface operation. This microprocessor controls and programmes up to 8 different synthesizer oscillators K 103 to their specific operating frequency. The K 104 has different input and output interfaces e. g. for a temperature sensor or a shutter. This performance makes it ideally suitable for a wide range of applications.

The operating system of the microprocessor unit K 104 offers a programming of the complete system via RS 232 connector and a personal computer, a terminal or it runs by itself without any input from external devices.

Technical Data

Interfaces:

Serial bus system	Mini-DIN • 6-pin female I^2C
Analogue input #1	Mini-DIN • 8-pin female • 0 ... +2.5 V
Analogue input #2	Mini-DIN • 8-pin female • 0 ... +2.5 V • TTL output driver
Supply voltage	U_S = 5 V ± 0.25 V
Supply current	I_S = 30 mA ± 10 mA plus 20 mA for each K 103
Operating temperature range	0 ... 55 ^{0}C

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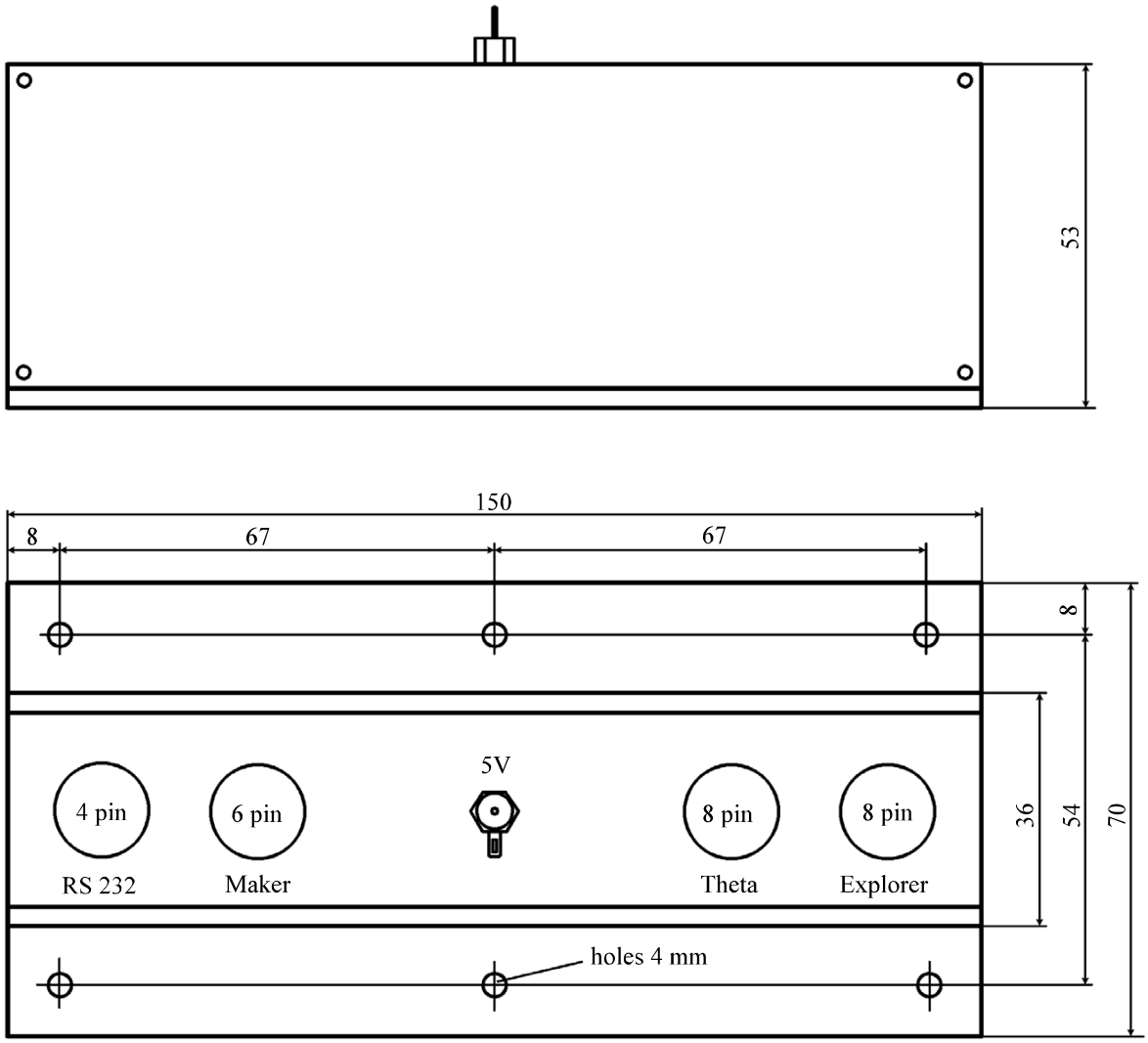
Quality Standards

EMC-standards	VDE 0871 - B FCC Rules Part 15 - B
Burn-in test	passive 2 h active ½ h

Connectors and Mechanics



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