kP4000 - Programmable Noise Generators

Programmable Noise generators covering frequencies from 1Mhz to 50GHz.

Applications Include:

- BER Testing (Eb/No, C/N, SNR)
- Jamming
- Jitter tolerance testing
- GPS receiver testing
- EMI testing
- System and component test

kTB Programmable Noise Generators

kP4000 programmable noise generators offer a convenient, economical, rugged instrument ideal for all automated testing requiring noise. Manual control via an intuitive touchscreen interface, remote control is via Ethernet. Frequency bands cover 1MHz to 50GHz.

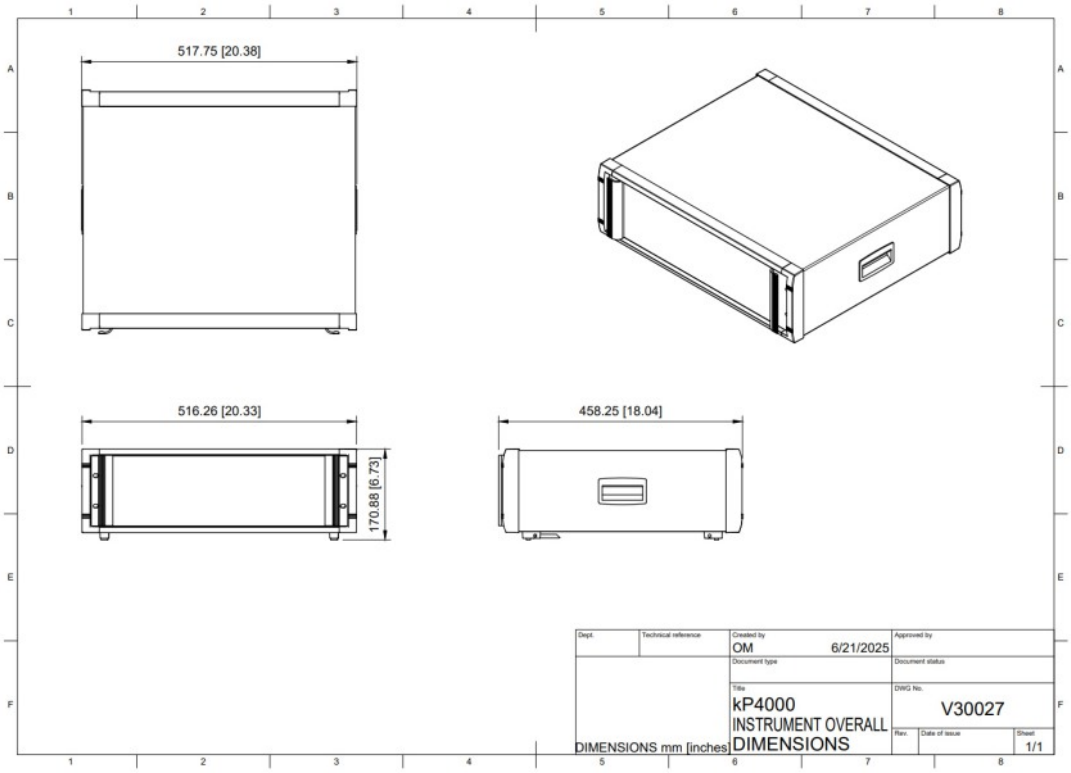
General Specifications

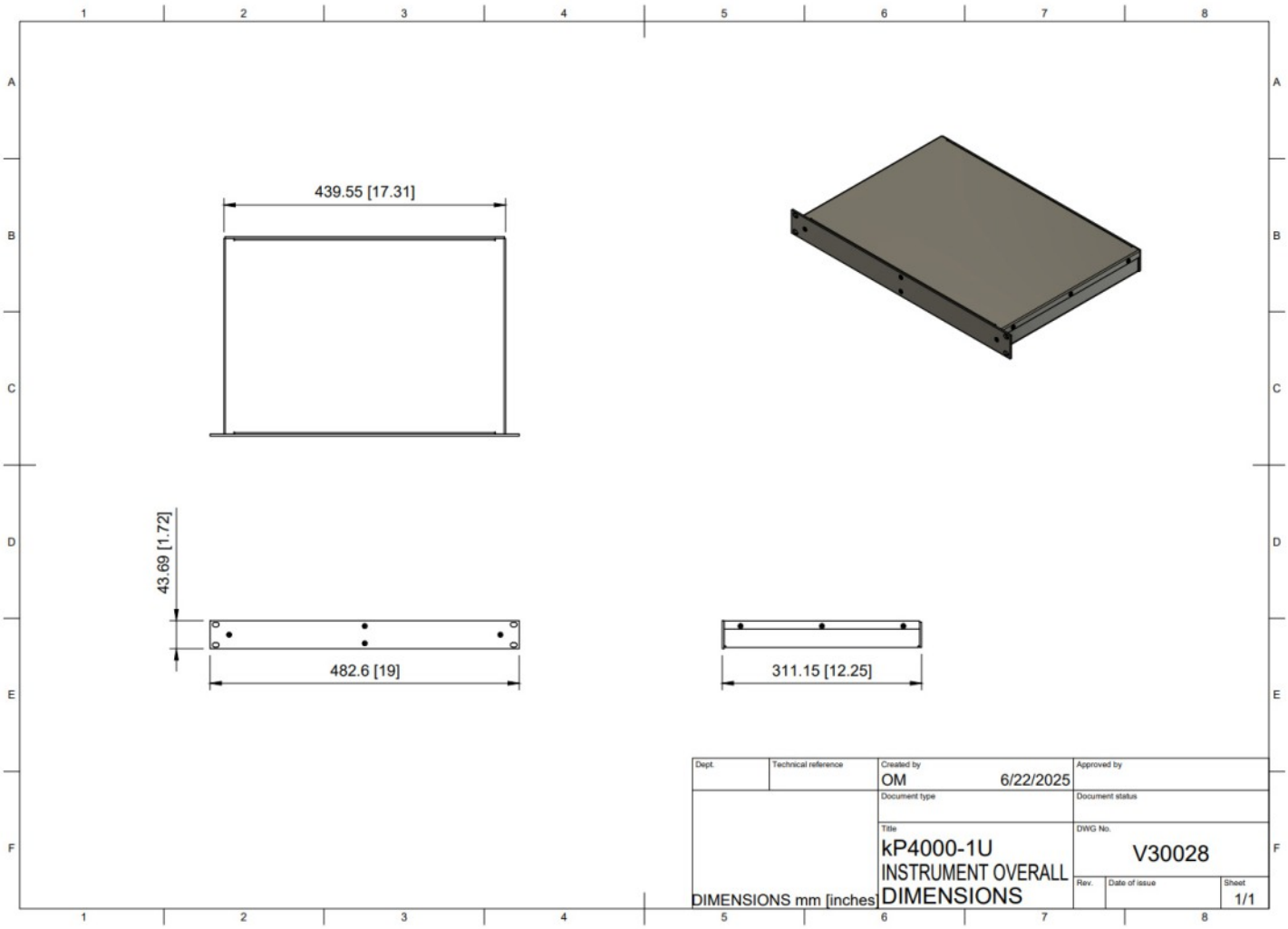
- Output White Gaussian noise
- Power 115/240VAC, 50/60 Hz
- Standard connectors SMA female
- Ethernet
- Touchscreen display
- 3U high enclosure (1U Optional)
- Operating Temperature: -10° to +65°C

Options

- **kP-B** BNC RF connectors
- **kP – N** N Type RF connector
- **kP – C** Signal Combiner
- **kP – SA** Signal Attenuator
- **kP-SFB** Switched Filter Bank
- **kP-1U** 1U Chassis - Rackmount

Model	Frequency	Power	Flatness	Spectral Power	Noise Attenuation
kP4101	1MHz to 1GHz	0dBm	+/- 2.5dB	-90dBm/Hz	127.9dB in 0.1dB steps
kP4102	10MHz to 2GHz	0dBm	+/- 2.5dB	-93dBm/Hz	127.9dB in 0.1dB steps
kP4103	10MHz to 3GHz	0dBm	+/- 2.5dB	-95dBm/Hz	127.9dB in 0.1dB steps
kP4106	10MHz to 6GHz	-10dBm	+/- 2.5dB	-97dBm/Hz	79.9dB in 0.1dB steps
kP4110	10MHz to 10GHz	-10dBm	+/- 3.5dB	-110dBm/Hz	79.9dB in 0.1dB steps
kP4218	2GHz to 18GHz	-10dBm	+/- 2.5dB	-97dBm/Hz	79.9dB in 0.1dB steps
kP4226	2GHz to 26.5GHz	-10dBm	+/- 3dB	-97dBm/Hz	79.9dB in 0.1dB steps
kP4240	2GHz to 40GHz	-20dBm	+/- 4dB	-126dBm/Hz	79.9dB in 0.1dB steps
kP4250	2GHz to 50GHz	-10dBm	+/- 5dB	-116dBm/Hz	79dB in 1dB steps





kP4000 Dimensions

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