



The Analogue Modulation Communication Trainer PAM/PWM/PPM is an advanced educational kit developed for demonstrating the principles of analog modulation techniques including Pulse Amplitude Modulation (PAM), Pulse Width Modulation (PWM), and Pulse Position Modulation (PPM). This trainer is designed for engineering students, technical institutes, and research centers aiming to provide practical exposure to analog pulse modulation methods. The trainer is powered by an internal XR2206 IC generator capable of generating both sine and square waveforms within a frequency range of 200 Hz to 2 kHz. It features synchronous clock functionality for frequencies between 2 kHz to 10 kHz, supporting detailed studies on ramp and sampling operations. The inclusion of a low-pass filter with a 5 kHz cut-off frequency ensures clean and precise signal shaping during experiments. Compact and durable, the trainer's size (265 mm W × 185 mm D × 95 mm H) and light weight (approx. 1.5 kg) make it ideal for laboratory use, while its wide power input range (110V–260V AC at 50/60 Hz) supports global compatibility. Designed to operate in ambient conditions of 0–40°C with up to 85% relative humidity, this trainer is robust and reliable for extended use in various environments.

Product Features:

- Supports demonstration of PAM, PWM, and PPM techniques
- Built-in XR2206 signal generator with sine and square wave output
- Signal frequency: 200 Hz to 2 kHz; synchronous clock: 2 kHz to 10 kHz
- Low-pass filter with 5 kHz cut-off frequency
- Compact and portable (265 × 185 × 95 mm; approx. 1.5 kg)
- Operates on 110–260V AC, 50/60 Hz
- Suitable for short-term training and practical sessions.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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