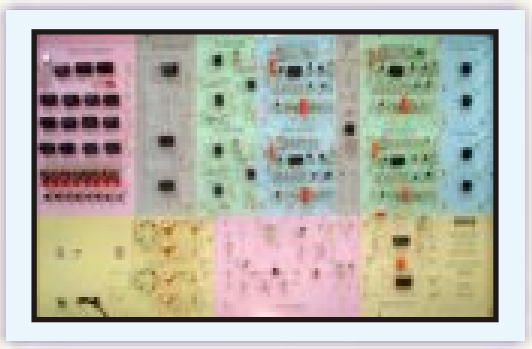
8-QAM MODULATION/DEMODULATION TRAINER

MODEL - QAM100K

This trainer has been designed with a view to provide practical/experimental knowledge of 8-QAM Modulation/Demodulation on a SINGLE PCB.



SPECIFICATIONS

1.	Power supply requirement	:	230V AC, 50 Hz.
2.	Built in IC based power supply.		
3.	On Board Modulating Digital Data signal generator to generate any binary input word with Bit clock & Word clock.		
	Bit Clock Frequency	:	80 KHz.
	Word Clock Frequency	:	10 KHz.
	Word Length	:	8 Bits.
	Data Format	:	NRZ, 0° (I) and 90° (Q) signals.
4.	Modulator Type	:	Balanced Modulator as QAM modulator.
5.	Demodulator Type	:	Balanced Modulator as QAM demodulator.
5.	All parts are soldered on single PCB with complete circuit diagram Screen-printed in multi-colour		
6.	Standard Accessories	:	1. A Training Manual 2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of QAM Modulation & Demodulation.
2. To generate QAM signal and demodulate it
3. To observe QAM modulated output by for different input binary codes.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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