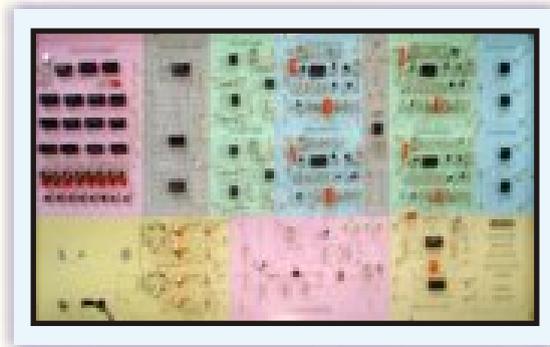




# QUADRATURE AMPLITUDE SHIFT KEYING (QPSK) TRAINER

MODEL- QASK100

This trainer has been designed with a view to provide practical/experimental knowledge of QASK Modulation /Demodulation technique on a Single PCB.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. On Board Modulating Digital Data signal generator to generate any binary input word with Bit clock & Word clock.  
Bit Clock Frequency : 80KHz  
Word Clock Frequency : 10 KHz  
Word Length : 8 Bits.  
Data Format : NRZ, (0 degree) I and (90 degree) Q signals.
3. Modulator Type : Balanced Modulator as QASK Modulator
4. Demodulator Type : Balanced Modulator as QASK Demodulator  
VCO with 0 degree and 90 degree Signals.
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 QASK Modulation & Demodulation.
2. To generate QASK signal and demodulate it
3. To observe QASK 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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**Dealer:-**