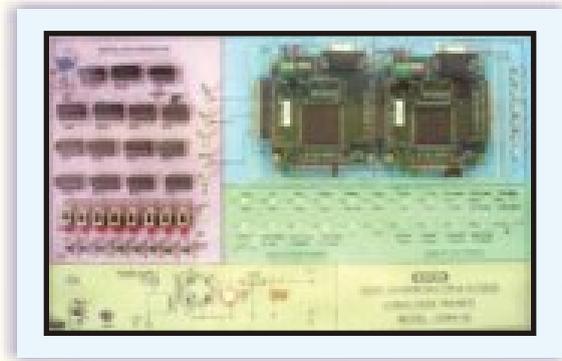




CDMA - DSSS TRAINER

MODEL - CDMA100

This trainer has been designed with a view to provide practical and experimental knowledge of Code Division Multiple Access (CDMA) technique as practically implemented for cellular telephony.



SPECIFICATIONS

1. Direct Sequence Spread Spectrum (DSSS) Modulator, Demodulator.
2. Programmable chip rates up to 10 Mchip/s.
3. Spreading codes : 23 Gold sequences (up to $2^{23}-1$ chips)
23 Maximal length sequences, (max length $2^{23}-1$ chips)
Barker codes (length 11, 13)
4. Code modulation : BPSK / QPSK / OQPSK with output spectral shaping filter.
5. Raised cosine square root filter with 20%, 25%, or 40% roll off
6. Internal generation of pseudo random bit stream and unmodulated carrier.
7. Built-in channel impairments generation.
8. Additive white gaussian noise.
9. Frequency offset (Doppler)
10. Sequential code search.
11. 4-bit soft - quantized demodulated bits.
12. Monitoring : 1. Receiver lock
2. Carrier frequency error
13. Standard Accessories : Software, Theory manual, Operating & applications manual Faq's,
Serial interface cable.

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:-