U.S. ROBOTICS

USR-330

ORIGINATE/AUTO ANSWER MODEM



- 0-300 BAUD DATA RATE
- STAND ALONE UNIT
- INTERFACES: RS232C
 20mA CURRENT LOOP
- **DESCRIPTION**

The USR-330 is a hardwire, asynchronous, half/full duplex modem that operates in both the originate and auto answer modes at data rates of up to 300 baud. The design incorporates powerful MOS/LSI integrated circuitry, crystal controlled digital receiver and transmitter and computer designed active filters to produce a reliable, compact and versatile unit. The USR-330 comes with power supply and is housed in a durable and attractive case designed for desk-top display. Connection to voice grade telephone lines is via a standard CBS-1001F Data Access Arrangement (DAA). The USR-330 is available with an EIA RS232C interface, a 20mA current loop interface or both EIA RS232C and 20mA current loop interfaces.

- HALF/FULL DUPLEX
- HARDWIRE CONNECTION via CBS-1001F DAA

APPLICATION

Installation of a USR-330 means on-line, auto answer capability for your system, from the smallest microcomputer to a system-370. Once connected to the computer and the phone line, the modem will automatically answer incoming calls, placing off-site users in contact with the computer. Terminals, printers and any other data transmission equipment conforming to the standard RS232C or 20mA current loop interfaces can also be connected to the phone lines via the USR-330. The unit provides the benefits of a standard auto answer modem while maintaining the flexibility of the originate mode—all in one convenient package at a price less than answer only devices offered by other manufacturers.

TECHNICAL SUMMARY

DATA RATE: 0-300 bps asynchronous MODULATION: Frequency Shift Key (FSK) COMPATIBILITY: WE103 and WE113 series

OPERATING MODES: switch selectable—

originate / auto answer full / half duplex (copy)

CARRIER FREQUENCIES:	originate	answer
transmit mark	1270	2225
transmit space	1070	2025
receive mark	2225	1270
receive space	2025	1070

TRANSMIT LEVEL: -9 dBm (fixed)
RECEIVE LEVEL: 0 to -45 dBm

DIGITAL INTERFACE: RS232C via 25 pin connector

20mA current loop via 9 pin

connector

LINE INTERFACE: via CBS-1001F DAA

ABORT DISCONNECT: 17 seconds

LOSS OF CARRIER DISCONNECT: 17 seconds

POWER REQUIREMENTS: 115 VAC, 60Hz

INDICATORS: power on, carrier detect

CONSTRUCTION: solid state

crystal controlled

digital, LSI

computer designed active filters

CONFIGURATION: stand alone

SIZE: 4" x 7" x 10"

WEIGHT: 3 lbs. COLOR: black

DEFINITION OF RS232C CONNECTOR PINS

1 protective ground

2 transmit data, terminal to modem

3 receive data, modem to terminal

4

5 carrier detect

6 data set ready

7 signal ground 8 clear to send

9

10

11

12

13

14

15

16

17

18 19

20 data terminal ready

21

22 ring indicator

23

24 25

DEFINITION OF 20mA CURRENT LOOP CONNECTOR PINS

1 ground

2 + terminal to modem

3 - terminal to modem

4 + modem to terminal

5 — modem to terminal

6 20mA current sink

7 20mA regulated current sink

8

9

PRICES

USR-330 with RS232C INTERFACE

\$185.00

USR-330 with 20mA CURRENT LOOP INTERFACE

\$185.00

USR-330 with RS232C and 20mA CURRENT LOOP INTERFACES

\$195.00

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