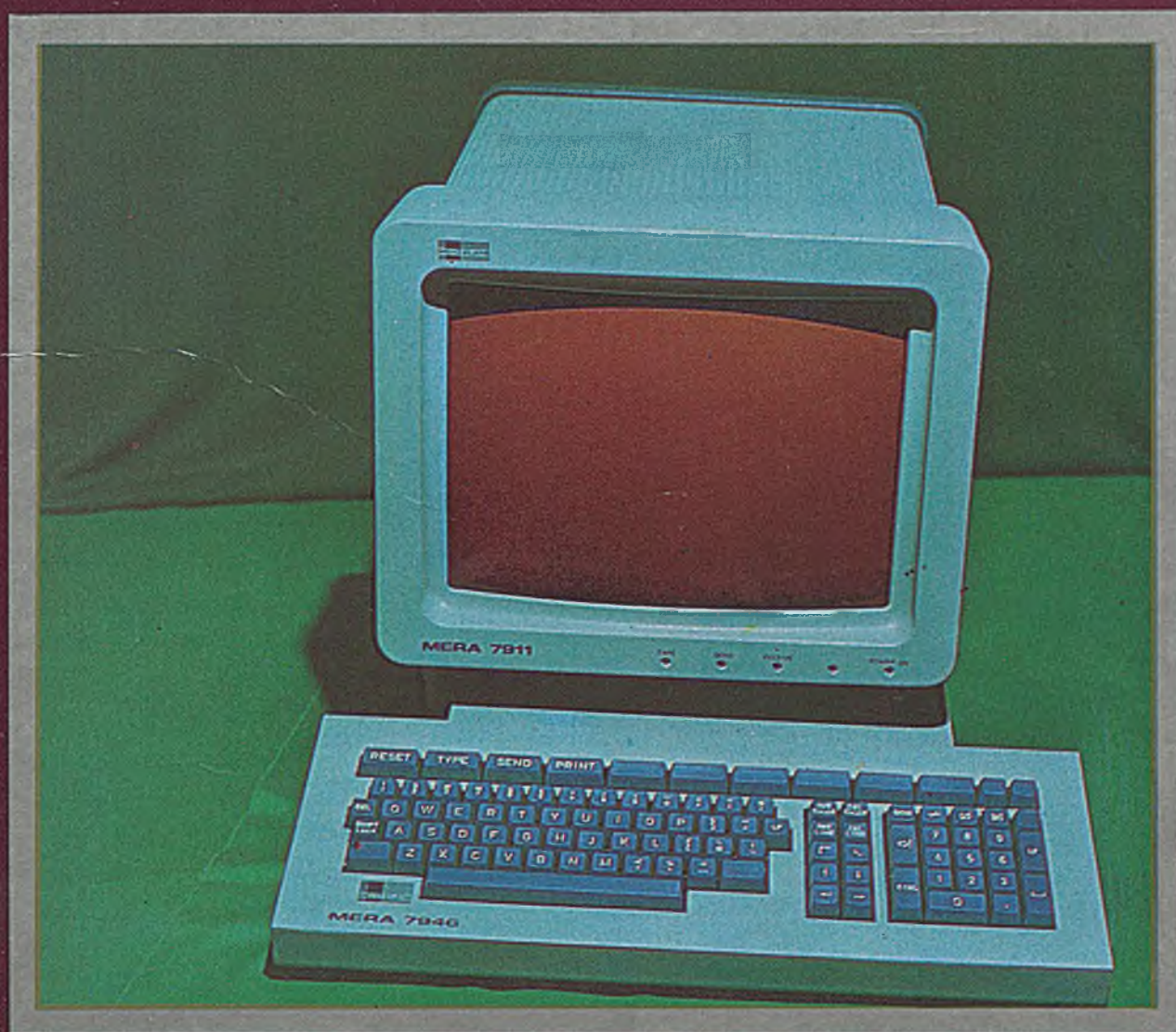


DATA
TERMINAL
SYSTEM

MERA 7800



ZAKŁADY
URZĄDZEN
KOMPUTEROWYCH



Due to its service simplicity and clear information display the Data Terminal System MERA 7800 has wide application range in many fields. This system is compatible with ICL 7180 system; provides a conversational multi-access operation mode.

IN VALUABLE INSTRUMENT FOR DATA HANDLING IN SUCH APPLICATIONS:

1. stock recordings
2. personal card files
3. product design and technology

MERA 7800 is ideal for:

- control production systems
- data entry systems
- conversational systems
- technical-scientific computations
- education

MERA 7800 comprises:

- Control Unit JSG 7802 connected to the data channel of computer Odra 1300
- Display Units MERA 7911 for presentation of data transmitted to the data processing system or entered through the keyboard
- Matrix Printers MERA 7880 for duplication of information displayed or transmitted from data processing system.

Control Unit

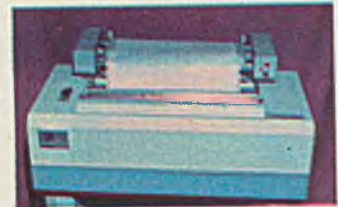
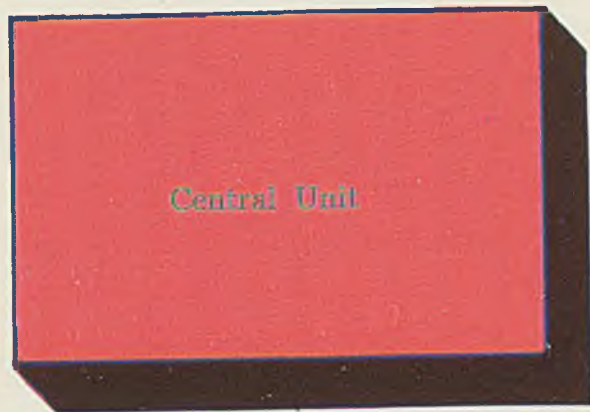
This unit serves for linking the display units with the data processing system. It is to be connected to the data channel of computer Odra 1300.

Display Unit

The display unit together with the keyboard enables the data to be entered and presented on a CRT screen. It is designed for connection to the Control Unit.

MERA 7800 Configuration

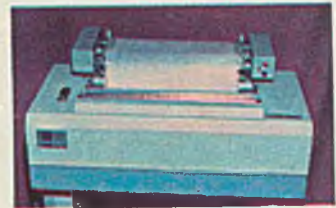
The MERA 7800 system is used in local cluster configuration



Display Station
MERA 7911

Printer
MERA 7880

Max: 16 display



Display Unit
MERA 7911

Printer MERA 7880



Zakłady Urządzeń Komputerowych
MERA-ELZAB
41-808 Zabrze
ul. Kruczkowskiego 19
POLAND
tel. 72-20-21 do 9
telex: 036402

MERA 7800

Printer

It enables the hard copy of displayed information to be made. It is designed for connection to the display unit.

In this configuration the Control Unit JSG 7802 which is connected to the data channel of computer ODRA 1300 via standard cable (max. 10 m) controls the display units MERA 7911 (max. 16 units) each connected to the Control Unit via two coaxial cables of max. length 600 meters.

Each Display Unit can be provided with the Buffer. Printer MERA 7800 operates as a „hard copy” unit at distance of max. 5 meters.

DISPLAY UNIT MERA 7911

This is a unit connected to the Control Unit JSG 7802 via two coaxial cables at max. distance of 600 meters. Transmission speeds up to 83 Kbaud permit the transfer of full screen contents in a period of approx. 0.3 s.

MERA 7911 is a stand-alone unit provided with the detachable alphanumeric Keyboard MERA 7946. The CRT block can be tilted at max. angle of 17°, the 16" screen has antiglare coating. The logic of CRT consisting of 8-bit processor with control circuits, display boards (with buffer) and I/O boards, is located on a tilted panel.

Three segments of PROM memory store the microprogram of display unit. Buffer is organised as having 1920 characters — 80 characters in 24 lines. The imagination is based on modified TV standard.

In order to mark the protected fields there is possibility of high brightness display.

SPECIFICATIONS

— interface	— synchronous, serial acc. to CCITT No 5
— transmission rate	— 86 Kbauds
— character code	— ISO 7
— screen	— 16", antiglare
— dot matrix	— 8×11 dots
— character set	— big letters of Latin alphabet
— intensity of screen	— max. 30 cd/m ²
— voltage	— 220 V 50 Hz single phase with earthing
— power consumption	— max. 300 W
— distance to control unit	— max. 600 m
— distance to printer	— max. 5 m
— screen capacity	— 1920
— number of lines	— 24
— characters per line	— 80
— weight	— 25 kg



Polish Foreign
Trade Enterprise
Warszawa,
Al. Jerozolimskie 44
Poland
Telephone: 262-011, 262-221, 267-441
Cable address:
METRONEX — WARSZAWA
Telex: 814471

MERA 7800

CONTROL UNIT JSG 7802

The control unit JSG 7802 is intended for cluster configuration and is connected to the data channel of Odra 1300 series computers.

The logic of unit divides into four blocks:

- parallel interface
- control part
- serial interface
- control panel

CHARACTERISTICS

- | | |
|-------------------------------------|--------------------------------------------------------------|
| — interface to computer | — 1900 standard interface |
| — interface to display unit | — asynchronous, serial acc. to CCITT No 5 |
| — transmission rate to display unit | — 86 KBaud |
| — code | — to computer: 6-bit with three shifts to display unit; ISO7 |
| — distance to computer | — max. 30 meters |
| — distance to display unit | — max. 600 m |
| — voltage | — 220 V 50 Hz single phase with earthing |
| — power consumption | — max. 300 W |
| — environment conditions | — kat. K3 acc. to PN 75/T-42106 |
| — weight | — 120 kg |
| — max. number of display units | — 16 |

CHARACTER — MATRIX PRINTER MERA 7880

This unit is a character printer. The characters are formed by means of needle matrix. An asynchronous mode of operation is possible by means of an additional buffer 256×8 bits. Printout formation is checked on the display unit screen.