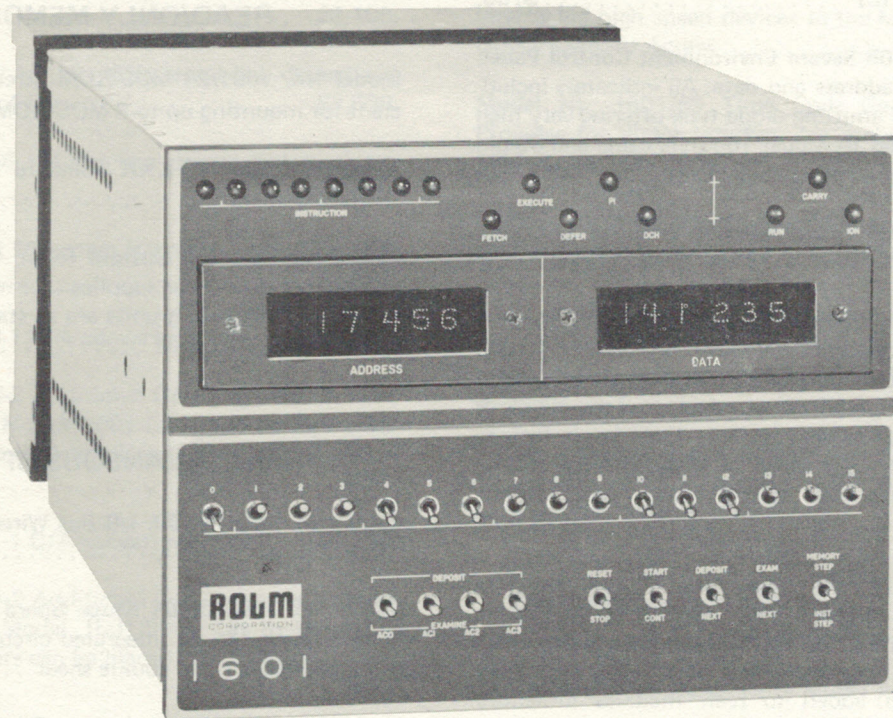


PRICE LIST

Prices Effective March 1, 1971

JOE De SHAYES
MEASUREMENT INSTRUMENTS INC.
15 POTTER STREET
HADDONFIELD, N. J. 08033
609-428-6772



Model 1601 RUGGEDNOVA and Options

Model 1601 RUGGEDNOVA and Options

Model No. 1601/00 Ruggednova Central Processor with 4 hardware accumulators, input/output system with programmed data transfer to up to 62 directly addressable I/O devices, 16 level programmed priority interrupt, direct memory data channel, ATR box with power supplies and 9 additional circuit module slots and power monitor and auto-restart\$10,550.

CPU OPTIONS

Model No. 1601/02 Extended Arithmetic Option. Provides hardware multiply-divide in 9.7 μ sec and n-bit shift in 4.7 μ sec ($n=1, \dots, 16$)\$3,500.

Model No. 1601/03 Real Time Clock Provides 10, 60, 100, 1000 Hz interrupts or timing from external source \$800.

Model No. 1601/04 Standard Control Panel. Attaches to Model 1601 via cable and 85-pin connector (specify length — max. 10 ft.) \$750.

Model No. 1601/05 Severe Environment Control Panel. Octal readout of address and data. All indicators including octal are light emitting diode type offering very high reliability. Attaches to Model 1601 via cable and 85-pin connector (specify length — max. 10 ft.)\$2,250.

Model No. 1601/06 60 Hz Adaptor. Provides for Operation of Model 1601 from 47-63 Hz primary power \$600.

Model No. 1601/07-01 Expansion Chassis. Provides additional power supplies and slots for up to 11 additional I/O circuit modules. Space is available on the front panel for up to ten 55-pin connectors. Four memory modules may be added to rear. Includes in-factory wiring I/O Bus to front panel of expansion chassis and CPU and connecting cable (specify length — max. 10 ft.) \$4,000.

Model No. 1601/07-02 Expansion Chassis. Provides additional power supplies and slots for up to 8 additional I/O circuit modules. Space is available on the front panel for up to five 55-pin connectors. Four memory modules may be added to rear. Includes in-factory wiring I/O Bus to front panel of expansion chassis and CPU and connecting cable (specify length — max. 10 ft.) \$3,500.

Model No. 1601/07-03 Memory Expansion Chassis. Provides additional power supplies for adding up to 6 additional memory modules\$3,000.

Model No. 1601/08 19-inch RETMA Rack Mounting. Provides for mounting basic box or extender chassis and up to 12K of core memory in 8 $\frac{3}{4}$ inches of panel space. Provision is made for a 1601/05 control panel ... \$600.

Model No. 1601/09-1. Interrupt Branching and Nesting Controller. Provides control for up to 8 IBN channel selectors \$1,600.

Model No. 1601/09-2. Interrupt Branching and Nesting Channel Selector. Provides 8 levels of interrupt for IBN \$1,200.

READ/WRITE MEMORIES

Model No. 1601/11 4096 16-bit Word (8192 bytes) of rugged wide temperature core memory \$7,940.

Model No. 1601/12 4096 16-bit Word (8192 bytes) of rugged core memory—standard temperature 0°C to +50°C \$7,250.

READ/ONLY MEMORIES

Model No. 1601/21 MOS-ROM Circuit Module — sufficient for mounting up to 8 MOS-ROM increments \$1,000.

Model No. 1601/22-XXX Standard ROM — 256 16-bit Word Increments \$600.

Model No. 1601/23 Custom ROM — 256 16-bit Word Increments. Customer supplies tape or table. First unit is custom — succeeding units are at standard prices, minimum quantity 10 units\$3,000.

MISCELLANEOUS OPTIONS

Model No. 1601/99-00. I/O Bus Wired to External Connector\$250.

Model No. 1601/99-01 Kluge Board — Includes etched hole patterns for 42 integrated circuits, laminated heat sinks, connectors and cookie sheet \$350.

Model No. 1601/99-02 Custom PC Board — Customer supplies art work — includes heat sink, connectors, cookie sheet \$750.

Model No. 1601/99-03 Shielded Control Panel Cable Option. Provides shielded rather than unshielded cable for Model 1601/04 or 1601/05 \$100.

Model No. 1601/99-04 Memory Expansion Cable. Wiring of CPU and Expansion Chassis for Model 1601/07-01 or Model 1601/07-02 when additional memory is added to the expansion chassis \$350.

INPUT/OUTPUT OPTIONS

Model No. 1601/40 16-Bit Input Buffer and 16-Bit Output Buffer, logic levels\$1,100.

Model No. 1601/41 3 x 16 Bit Parallel Output Buffer, logic levels\$1,200.

Model No. 1601/42 3 x 16 bits unbuffered parallel input, logic levels\$1,100.

Model No. 1601/43 16 bit parallel output buffer, with line drivers\$1,000.

Model No. 1601/44 16 bit parallel input buffer, with line receivers\$1,000.

Model No. 1601/45 Serial I/O double buffer, logic and line levels\$1,000.

Model No. 1601/46 16 bit parallel output buffer, contact closures\$1,100.

Model No. 1601/47 I/O bus differential line drivers and receivers, CPU end of line\$2,600.

Model No. 1601/48 I/O bus line drivers and receivers, remote end of line\$2,600.

Model No. 1601/49 16 system interrupts, wired priority, individual arming\$1,250.

Model No. 1601/50-1 D/A converter, 8-bit\$1,100.

Model No. 1601/50-2 Additional D/A converter on same circuit module as Model 1601/50-1. Up to two additional D/A converters can be placed on the same circuit module\$750.

Model No. 1601/51-1 D/A converter, 10-bit\$1,250.

Model No. 1601/51-2 Additional D/A converter on same circuit module as Model 1601/51-1. Up to two additional D/A converters can be placed on the same circuit module\$800.

Model No. 1601/52-1 D/A converter, 12-bit\$1,450.

Model No. 1601/52-2 Additional D/A converter on same circuit module as Model 1601/52-1. Up to two additional D/A converters can be placed on the same circuit module\$850.

Model No. 1601/55 A/D converter, 8-bit\$3,500.

Model No. 1601/56 A/D converter, 10-bit\$4,000.

Model No. 1601/57 A/D converter, 12-bit\$4,500.

Model No. 1601/60 Analog multiplexer, 16 channels random access or cyclic\$1,250.

Model No. 1601/61 Sample and hold installed on Model No. 1601/60\$400.

Model No. 1601/62 Modem Interface. Operates with synchronous modems equivalent to Bell 201A, 1200 or 2400 baud, full duplex\$1,600.

Model No. 1601/63-1 I/O Bus Repeater. Increases fan-out of I/O bus. Drives terminated line plus 10 TTL loads or unterminated line plus 20 TTL loads. Installs in CPU chassis\$1,100.

Model No. 1601/63-2 I/O Bus Repeater. Same as 1601/63-1 except installs in expansion chassis ..\$1,100.

Model No. 1601/64 Data Channel Controller — for interfacing high speed devices to the Model 1601 via the Direct Memory Access\$1,600.

Model No. 1601/69 Time Code Generator Interface. Provides for direct interface for a standard IRIG serial TCG format\$1,200.

Model No. 1601/70 Two independent serial outputs with line drivers\$1,600.

RUGGEDNOVA PERIPHERALS

Model No. 1601/31 Teletype Options (Commercial Environment)

31 Teletype Input/Output Interface for teletype Models 33-KSR, 33-ASR, 35-KSR, and 35-ASR. Requires 1 circuit module\$1,000.

31-A Teletype Model ASR-33\$1,250.

31-B Teletype Model KSR-33\$975.

31-C Teletype Heavy Duty Model KSR-35 ...\$2,525.

31-D Teletype Heavy Duty Model ASR-35 ...\$3,700.

Model No. 1601/32-XXXX Paper Tape Equipment (Commercial Environment)

32-4007 I/O Circuit Module\$300.

32-4011 Paper Tape Reader Control for Type 4011B Reader\$800.

32-4011B High Speed Paper Tape Reader, 300 cps, fan-fold, 8-channel tape, rack mountable ...\$1,800.

RUGGEDNOVA PERIPHERALS
continued on back

RUGGEDNOVA PERIPHERALS (continued)

(Model No. 1601/32-XXXX Continued)

- 32-4012 Paper Tape Punch Control for Type 4012A, paper tape punch \$750.
- 32-4012A High Speed Paper Tape Punch, 63 cps (Teletype BRPE 11) for fan-fold, rack mountable (14" high) with slides\$1,500.
- 32-4013 Remote-Operation Modification to Punch Model 4012A, allows power turn-on, turn-off under program control \$250.

Model No. 1601/33 Card Equipment (Commercial Environment)

- 33 Card Reader Control for Type 4016A card reader \$1,250.
- 33 Medium-Speed Card Reader 225 or 400 cpm \$3,000.

Model No. 1601/34-XXXX Disc Equipment (Commercial Environment)

- 34-4019 Disc Control for All Series 4019 discs. Data transfers through the data channel facility. May be used to control up to 8 Type 4019 disc units. \$4,500.
- 34-4019B 64K (16-bit words), fixed head disc. Rack mountable \$4,750.
- 34-4019C 128K (16-bit words), fixed head disc. Rack mountable \$6,250.

Model No. 1601/35-XXXX Incremental Plotters (Commercial Environment)

- 35-4017 Incremental Plotter Control for all series 4017 plotters. 300 increments per second ...\$2,250.
- 35-4017A Incremental Plotter (Drum) 12" paper, 0.01", 0.005" or 0.1 mm step size, 300 increments/second (Calcomp Model 565)\$6,850.
- 35-4017B Rack Mountable Version of 4017A \$7,580.

- 35-4017C Incremental Plotter (Z-fold paper) 11" paper, 0.01", 0.005", 0.25 mm, or 0.1 mm step size (300 steps/second) (Houston Instrument Model DP-1) \$5,000.

Model No. 1601/36 Magnetic Tape Equipment

- Model No. 1601/36 Magnetic Tape Controller. Controls up to 8 synchronous read/write 7- or 9-track IBM compatible tape transports, 24, 45, 75, or 150 ips at 556 or 800 bpi (7- or 9-track at single speed per controller) \$5,000.
- Model No. 1601/36A Magnetic Tape Transport. 9-track, 24 ips, (Ampex TMZ commercial environment) \$7,000.
- Model No. 1601/36B Magnetic Tape Transport. 9-track 45 ips (Ampex TM-8 commercial environment) \$9,000.
- Model No. 1601/36C Mil Spec (Mil-E-5400 Class 1) ATM-13, 9-track, 75 ips, industry compatible \$33,000.
- Model No. 1601/36D Same as 1601/36C except 7-track, 75 ips, industry compatible \$31,000.

Model No. 1601/37 Magnetic Tape Cassette (Commercial Environment)

- Model No. 1601/37 Magnetic Tape Cassette I/O Interface \$2,000.
- Model No. 1601/37A Dicom 3-deck cassette Model 344 \$7,000.

Model No. 1601/39 Line Printers

- Model No. 1601/39, line printer control for Model 1601/39A and 1601/39B line printers \$2,000.
- Model No. 1601/39A, line printers, 356 lines per minute, 80 columns, 64 character ASCII (Data Products, Commercial environment) \$11,500.
- Model No. 1601/39B, Line printer, 356 lines per minute, 80 columns, 64 character ASCII (Data Products, Model 2910, military environment) \$24,000.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

For further information write or call:



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