

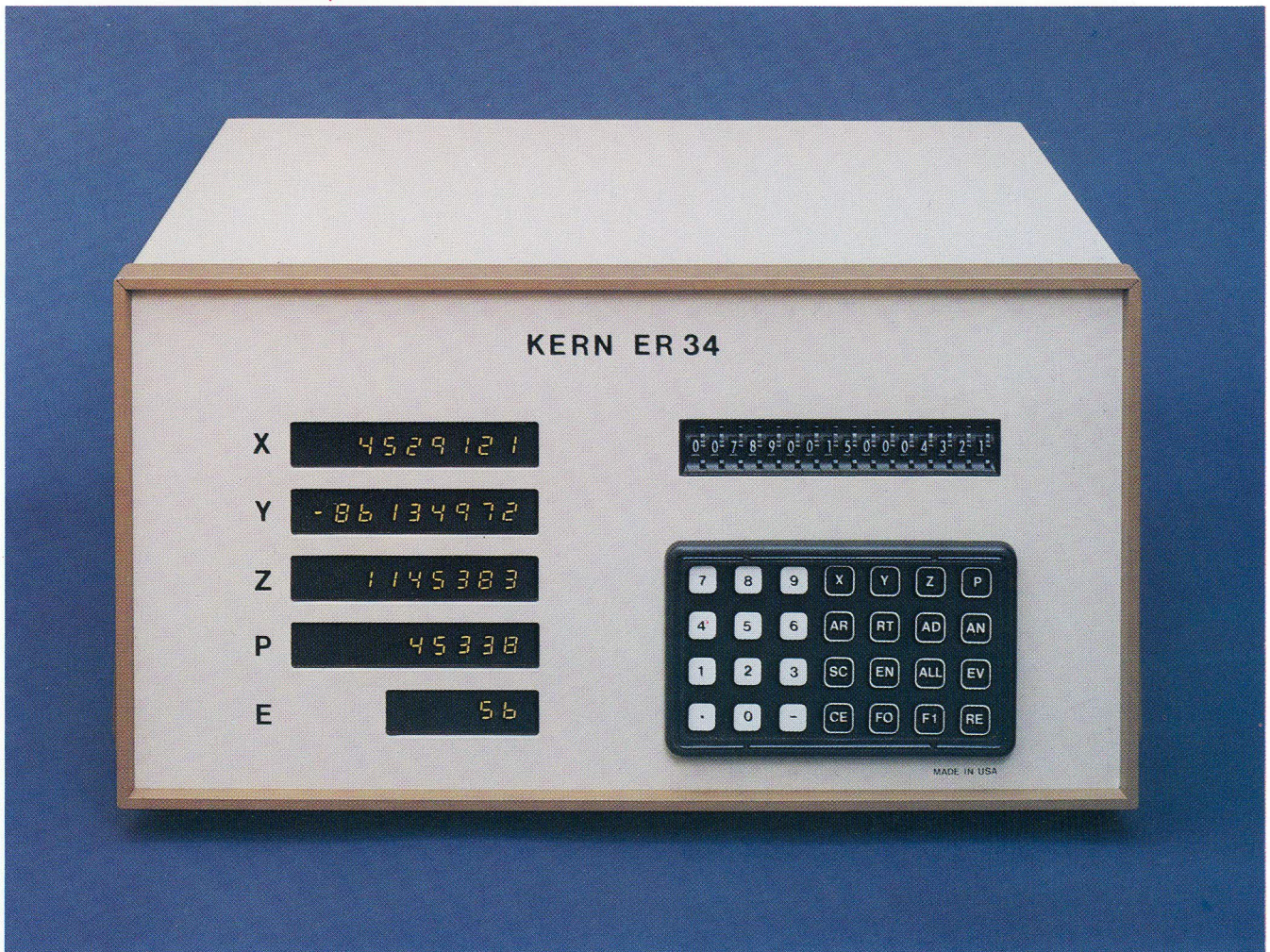
Kern ER34 Digitizer



9 4 5 9 7

7 9 5 8 2

4 5 2 9 9



The Kern ER34 is a new generation of microprocessor-controlled digitizer. The unit counts quadrature signals produced by compatible rotary or linear encoders, and displays the number of counts (after taking into account scale factors, preset values and rotation, if any). Recording of data takes place in manual or automatic mode when an external recording device is connected via the RS232C interface. This digitizer has been designed especially to meet the needs of the photogrammetric community as a stand-alone unit or as an interface between computer and stereoplotter.

The ER34 has been designed for use with the Kern PG2 and PG3 Stereoplotters, the Kern MK2 Monocomparator and the CPM-1 Comparator-Point Transfer instrument. The ER34 can also be used with any other measuring instrument equipped with compatible encoders.

Kern ER34 Digitizer

Cost Effectiveness

Reasonable cost coupled with operator-friendly design and error reducing features adds up to the most cost-effective digitizer available today.

Applications

- Aerotriangulation
- Profiling
- Digital Terrain Models
- Orthophoto Scanning
- Real Time Display of Ground Coordinates
- Computer Interface

Technical Features

- 8½ digit display with floating decimal point.
- Scaling with 8 digit precision.
- Rotation of X-Y allowing real-time display of ground coordinates.
- 4 axis unit can handle up to four encoder inputs.
- Event counter with automatic incrementing.
- Area computation

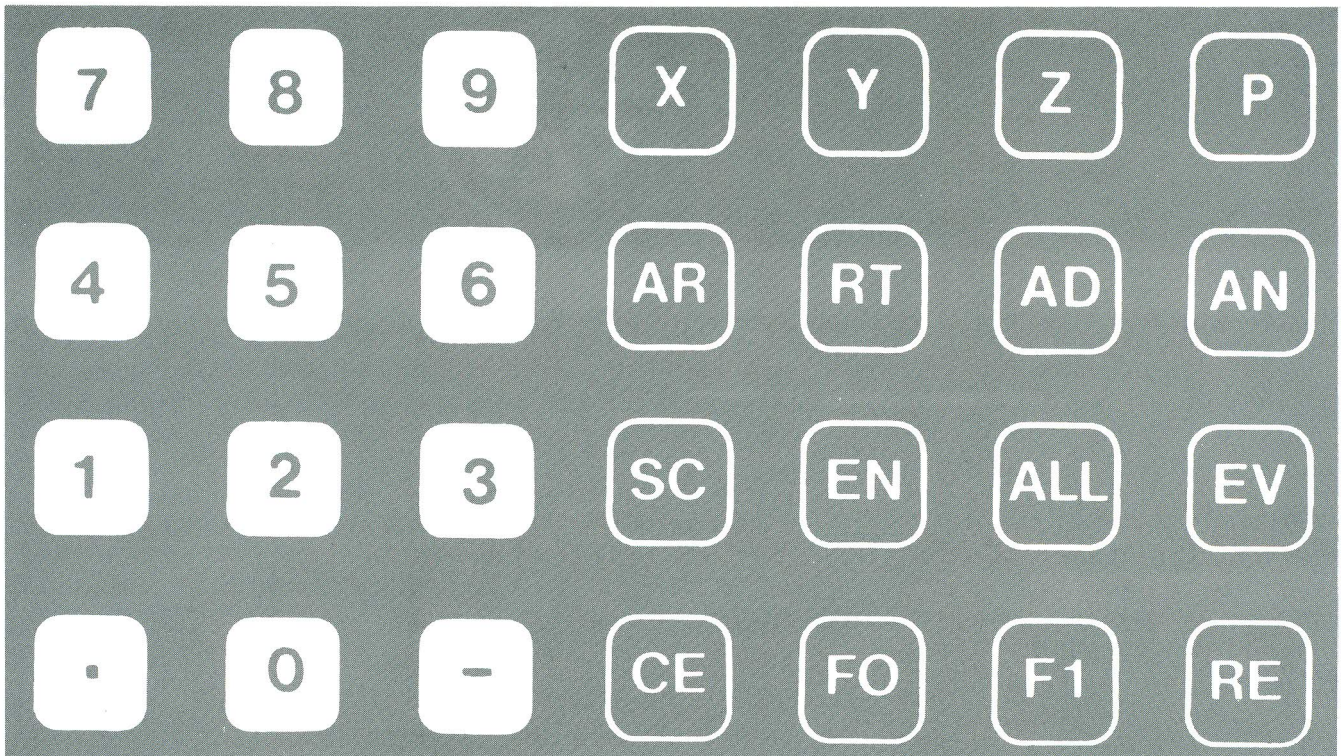
- Automatic recording using distance and angle test values
- Automatic recording by discrete intervals.
- 16 thumbwheel switches for manual data entry.
- Industry standard RS232C interface for compatibility with most recoding devices.
- Transmission rate selection.
- Interchangeable patch panels for flexible output programming.
- Multiple recording allows several data groups per record.
- Two foot pedals for use of pen-up, pen-down commands.
- Operator friendly design.
- Simple keyboard input.
- Large restful yellow display digits.

Technical Information

Power requirements: 115V or 220V AC, 50-60 cycles clean power.

Encoders: Outputs of +5V, -5V, ground are available. Input must be TTL compatible.

Interface: RS232C with TX, CTS, RTS.



Manufacturing Program

For more than 150 years Kern has manufactured surveying instruments and drawing equipment that have an outstanding reputation in all parts of the world.

The present manufacturing program includes:

Levels

Theodolites

Reduction tachymeters

Electro-optical distance meters

Optical precision plummets

Planetable equipment

Photogrammetric equipment

Compasses

Technical pens Prontograph

Lettering and drawing templates

Lenses for motion picture and still cameras

Optical instruments for military use

Special optical equipment

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