

### Product

The MR175 Hand-Held Pendant Station was developed to make the man-machine interface safer and easier. This elegant and ergonomically designed control was developed with input from actual users and can be customized for individual applications.

All switches and controls are monitored by a microprocessor that communicates via serial RS-485 or RS-232 to the main station, allowing for a lightweight, yet rugged cable design and standardized interfacing. Switch de-bouncing, MPG decoding, and A/D conversions are performed locally, so the host computer receives commands via an 11 byte transmission packet.



### Features

- Eliminates Separate Input Axis Card for MPG
- Built-in Enable Switch
- Rugged Ergonomically Designed Housing
- Light-weight Communication Cable
- Easy Serial Interface
- Protocol Error Checking
- Easily Customized Controls including
  - Manual Pulse Generator
  - Up to 2 Rotary Knobs with up to 7 positions
  - Up to 2 Analog Potentiometers
  - Redundantly Supervised Emergency Stop Switch
  - Up to 5 Momentary Buttons

### Applications

- Operating Machine Tools
- Assembly Lines
- Automated Production Installation
- Robotics
- Troubleshooting
- Maintenance at Point of Operation
- Cranes
- Medical Equipment



Electrical Voltage Current	22V to 26V DC 100mA (max)
Serial Interface	RS-422 Full Duplex
Bit Rate	57,400 baud
Manual Pulse Generator	100 pulses / 360° (mechanical step detent)
Data Format	11 byte packet transmission at 60ms max interval
Data Integrity	16 bit Checksum
Temperature Working Storage Temperature	-10° to +60°C -30° to +80°C
Humidity	0% to 85% RH (working temp.)
Sealed	Splash proof to Nema 6 (Occasional short time submersion )
Drop	3 feet on all six surfaces
Cable Jacket Diameter	0.21in
Cable Jacket Material	PUR
Number of conductors	8
Cable length extended	15 feet ±2ft

MICRONOR provides custom, precision-engineered feedback units, brushless resolvers, encoders, and other automation control components along with a fast turn-around service to accommodate our customers' specific requirements. We specialize in the repair or replacement of other manufacturers' feedback units and motion control devices because reengineering an obsolete unit may be more cost effective than reengineering an entire system.

MICRONOR has served the automation industry with components since 1968 and continues to support and manufacture these products. Thousands of customer-specific solutions have been engineered and are controlling equipment from CNC machines to ship diesel engines.

To order, please reference the MR175. Our sales engineers will be able to help you determine the customization necessary for the specific requirements of your application. We would be pleased to work with you to achieve a solution for your unique situation.

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