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ORMEC
Numeric Keypad & Display

ORMEC's ITM-270 Industrial Numeric Keyboard & Display is a low cost, compact, industrial data entry and display terminal. It is ideal for operator keyboard entry and display in simple motion control applications. The terminal is lightweight, and enclosed in a compact ABS plastic case. It has six backlit function keys with custom labels as well as an overall label or logo.

The terminal can be used in multi-drop applications, allowing multiple units to be attached to one serial port.

Simple to Use

The ITM-270 has rubber keys with tactile feedback for numeric entry & editing. Six lighted function keys provide simple operation in less complex systems. The 16-character alphanumeric display extends powerful diagnostics and troubleshooting capabilities to the plant floor personnel.

Cost Effective and Reliable

The ITM-270 is extremely compact, cost effective and reliable compared with industrial panels using individual pushbutton switches and indicators. Assembly and wiring is simplified and overall system complexity reduced.

Features

- ❒ Sealed numeric Keypad with tactile feedback
- ❒ Six Backlit Function Keys
- ❒ Large, High Contrast, 16-character by 1-line alphanumeric LCD Display
- ❒ Customized Function Key Labels
- ❒ Mounting gaskets
- ❒ 9600 Baud RS-485 Multidrop Communications
- ❒ Compatible with MotionBASIC® via Generation III expansion bus
- ❒ Up to 15 units on one serial port



ORMEC's ITM-270 Industrial Numeric Keyboard & Display is easily customized for the specific needs of your machine. Operator messages are displayed in plain English using familiar terms.

Keyboard

A numeric keypad with six programmable function keys is provided for operator input. The keys are widely spaced for ease of entry and a silicon rubber keyboard provides environmental sealing and good tactile feedback. Each function key is backlit under software control providing mode and status information which can be easily customized for your application. The keyboard also features key-click and key-repeat functions.

Display

The display is a 16-character by 1-line alphanumeric LCD with large, easy to read characters. An 80 character display buffer with scroll keys allows the operator to view a 16-character window anywhere within the 80-character line. The readability of the high contrast display is excellent, even in low lighting conditions.

Specifications

Case: Dust and moisture sealed ABS plastic
Dimensions: 7.1"w x 4.1"h x 1.06"d
Weight: 10.5 ounces
Mounting: Panel Mountable, Surface or Flush
Display Technology: LCD Alphanumeric
Character Formation: 0.38" 5 x 7 dot matrix
Keyboard: Sealed, molded silicon rubber
Scrolling Keys: Two, manual
Keypad: Numeric, 24-key
Operation Life: 1,000,000 operations
Function Keys: Six, programmable, backlit
Indicators: Six LEDs, audible tone
Operating Temp: 0 to 50 C
Storage Temperature: -20 to 70 C
Power: 5 volts DC ±5%, 350 mA max.
Serial Communications: RS-422/485
Baud Rates: 300, 1200, 9600
Modes: character and block
Addressing: 32 addresses in non-volatile memory

ORDERING GUIDE

Industrial Numeric Keyboard & Display

ITM-270	Industrial Numeric Keyboard & Display, 16 character x 1 line display, sealed numeric keypad, lighted function keys, and RS-485 serial interface

A variety of interface cables are available.

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