

**New! OT30P**  
**Programmable, Industrial Terminal Solution**  
**for OEM Applications**

**Key Features:****PC Programmable in C****Powerful 8 Bit Microprocessor****Memory****FLASH up to 512K for Program Storage****NVRAM up to 512K for Data Collection and Storage****SRAM up to 512K for More Storage****Real-Time Clock****Choice of Displays 4 x 20 or 8 x 26****Wide Choice of Keypads, Membrane or Elastomeric****Rechargeable Battery Operation 8 Hours****Programmable Solution for OEM Applications**

The programmable OT30P is a rugged hand-held industrial terminal that provides flexible memory choices for program and data storage. These features along with a variety of affordable customization options make it the ideal solution for evolving or more complex industrial OEM applications. You can quickly and easily develop programs for the OT30P on any PC using a text editor or your own C programming environment and the Termiflex Programmers Tool Kit. Executable code is then generated using the PC based Flash Development Tool Kit included which also enables you to download the program to the OT30P's FLASH memory via the serial interface. The Termiflex programmer's toolkit includes a complete library of functions that provide easy access to the industrial terminal's display, keypad, interface, and microprocessor, to make developing your program even easier. The OT30P provides 512K of erasable FLASH memory for program storage and up to 512K non-volatile RAM and another 512K SRAM for data collection and storage. For applications requiring time and date stamping or calculations, a Real-Time Clock is available.

Portability is key to many data acquisition devices and the OT30P has a battery source with 8 hours operation per charge.

In addition to custom programming and portability capabilities, the OT30P, like all Termiflex products, may be customized with corporate logos and serial number tags, as well as function specific keypad legends and colors. Any of these customization options, when combined with an application specific program, yield a cost effective, powerful, and unique OEM operator interface solution.

# OT30P

Standard & Optional Features	Specifications
<b>Display</b> 4 x 20 STN LCD <input checked="" type="checkbox"/> 4 x 20 VFD <input type="checkbox"/> 8 x 26 STN LCD <input type="checkbox"/> EL Backlight <input type="checkbox"/>	<b>Display</b> (STN LCD technology, dot matrix alphanumeric, 5x7 pixel characters, blue, on a light gray background) Character Size 4 x 20; 0.187"H x 0.116"W (4.8mm x 3.0mm) 8 x 26; 0.120"H x 0.086"W (3.0mm x 2.2mm)
<b>Keypad</b> 20-key Membrane <input type="checkbox"/> 30-key Membrane <input checked="" type="checkbox"/> 40-key Membrane <input type="checkbox"/> 42-key Elastomeric <input type="checkbox"/> 45-key Membrane <input type="checkbox"/> EL Backlight <input type="checkbox"/>	User-Defined Characters 3 Visual Indicators Flashing characters Backlight White electroluminescent, optional
<b>Interface</b> RS 232 <input checked="" type="checkbox"/> RS 422 <input type="checkbox"/> RS 485 <input type="checkbox"/> TTL <input type="checkbox"/> Inverted TTL <input type="checkbox"/> Current Loop <input type="checkbox"/>	<b>Keypad</b> (Sealed membrane or elastomeric) Number of keys 20, 30, 40 or 45 membrane, 42 elastomeric Programmable Keys 4, up to 16 characters each Key Legends Catalog, Blank or Custom Response Tactile, Audible, Visual (local echo) Repeat Rate None, Slow, Fast, Make-Break Backlight White electroluminescent, optional, membrane only
<b>Power</b> +5 VDC $\pm$ 5% <input checked="" type="checkbox"/> +8 to +28 VDC <input type="checkbox"/>	<b>Memory</b> FLASH: up to 512K NVRAM: up to 512K SRAM: up to 512K
<b>Cable/Connector</b> Case-Mounted RJ-12 <input checked="" type="checkbox"/> DE-9P <input type="checkbox"/> DA-15P <input type="checkbox"/> Integral Cable (10 ft, 3 m) 6-conductor, coiled <input type="checkbox"/> 6-conductor, straight <input type="checkbox"/> 10-conductor, coiled <input type="checkbox"/> 10-conductor, straight <input type="checkbox"/> Cable Connector DE-9P <input type="checkbox"/> BD-25 <input type="checkbox"/> Stripped and Tinned <input type="checkbox"/>	<b>Programming</b> Application Language:C Processor: Renesas Library Functions Predefined & Routines Serial Port, Keypad, Display, Real-time Clock and Timer, Parameter and Data Storage, Plus Misc.
<b>Environmental</b> 32°F to 122°F (0°C to 50°C) <input checked="" type="checkbox"/> 4°F to 158°F (-20°C to 70°C) <input type="checkbox"/> Moisture Resistance <input type="checkbox"/>	<b>Accessories</b> Programmer's Tool Kit C Library Functions, Demonstration Files, and Download Program PC to OTCP Download Cable Cable for Rechargeable Batteries
<b>Other Options</b> E-stop Switch <input type="checkbox"/> (Note that the above option requires the 15-pin case connector or the 10-conductor cable) <input checked="" type="checkbox"/> Basic Unit <input type="checkbox"/> Optional*	<b>Mechanical</b> Dimensions 6.41" x 4.30" x 1.00" (162.8mm x 107.5 mm x 25.4 mm) with batteries: Weight 10 oz (283.5 g) with batteries:
*Termiflex provides full customization service for OEM customers.	<b>Environmental</b> Operating Temperature 32°F to 122°F (0°C to 50°C) Extended Range Option -4°F to 158°F (-20°C to 70°C) Storage Temperature -22°F to 158°F (-30°C to 70°C) Humidity 95% noncondensing Moisture/Dust Resistance Optional
	<b>Agency Compliance</b> EN55022 CENELEC (CISPR 22) FCC Class A, Part 15 ROHS Compliant
	Specifications are subject to change without notice.



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