

OIT3185



**CLASS I
DIVISION 2**

NEMA4X

Text Display with Customizable Keys

- 4 line by 20 character LCD display
- Membrane keypad with legendable inserts
- User-definable keys
- Serial RS232/RS485 ports
- Multiple PLC registers per screen
- Chain screens together
- Floating point
- Linear scaling
- 500 configurable screens
- Recipes and menus
- NEMA 4X, CE, UL certified
- Class I, Division 2 rating
- Extended operating temperature (-10 to 65°C)
- Programmed with OITware-200 software



The OIT3185 has an alphanumeric display and a membrane-style keypad. Each key is programmable, allowing you to define a unique keypad to match your specific application. The legendable insert feature means you don't have to pay extra for custom overlays to achieve a custom look.

A wide range of communications drivers are available: Allen-Bradley, Modicon, GE Fanuc, Keyence, Control Microsystems,

Bristol Babcock, and more. Over 100 brands of PLCs and motion controllers are supported.



OITware-200 configuration software includes recipes, menus, alarms, and the ability to create over 500 screens. Designed for harsh industrial environments, the OIT3185 carries a Class I, Division 2 rating and operates

under a wide temperature range.

The OIT3185 is a powerful and durable operator interface.

**Every Machine
Needs the
Human Touch**



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OIT3185 Specifications

Hardware

| | |
|-----------------|---|
| Display | 4 line by 20 character backlit LCD display Viewing Angle – approximately 90 degree |
| Key Type | Membrane-style keypad |
| Function Key | 24 user-definable screen-dependent keys |
| Slide-in Legend | Customizable slide-in key legend |

Mechanical

| | |
|--------------------|---|
| Enclosure | Aluminum |
| Dimensions (WxHxD) | 6 x 5 x 1.77 inches [152.4 x 127 x 45 mm] |
| Weight | 0.99 lbs [0.45 kg] |
| Mounting | Panel |
| Power Requirements | 12 to 30 VDC, 170 mA maximum |

Environmental

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|-----------------------|---------------------------------|
| Operating Temperature | 14 ~ 149°F (-10 ~ 65°C) |
| Storage Temperature | -22 ~ 176°F (-30 ~ 80°C) |
| Relative Humidity | 5% ~ 95% (non-condensing) |
| Ratings | NEMA4X, IP65 |
| Certifications | CE, cULus (Class I, Division 2) |

Enhanced Features

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|---------------------------------------|---|
| Recipe Screens | Allow the operator to download or upload preset values into PLC registers. |
| Memory Storage for Motion Controllers | Stores data internally using the recipe screen feature. Data can be uploaded from the controller and stored in the OIT's non-volatile flash memory. |
| Multiple Language Support | Allows you to "split" the 500 screens into 2, 5, or 10 separate groups or languages. |
| Choose Your Own Keys | <ul style="list-style-type: none"> Global Function Keys – Up to 24 global function keys. Each key can display one of 500 user-definable screens or simulate a momentary or push-on/push-off mechanical switch. Screen-Dependent Function Keys – With 8 keys available, you have the equivalent of 4000 function keys. |

Specifications subject to change without notice.

Terminals von Maple Systems erhalten Sie bei



Ilse der Hütte 10, 31241 Ilse
Tel.: 05172 1290-0, Fax: 05172 1290-12
E-Mail: info@schwalenberg.com
Internet: www.schwalenberg.com

Screens

| | |
|-----------------|---|
| Total # | 500 screens |
| Message Screens | <ul style="list-style-type: none"> • Beep on display • One line of 128 characters of scrolling text • Display for a preset length of time from 1 to 255 sec. • Chain to other message screens • Up to 25 register monitors |
| Recipe Screens | <ul style="list-style-type: none"> • Beep on display • One step download/upload with a function key • Up to 20 preset values (operator adjustable) • Display for a preset length of time from 1 to 255 sec. • One line of 128 characters of scrolling text • Up to 25 register monitors |
| Alarm Screens | <ul style="list-style-type: none"> • 4 priority levels • 9 audible alert types • One line of 128 characters of scrolling text • Up to 25 register monitors |
| Menu Screens | <ul style="list-style-type: none"> • Branch off to 9 message, recipe or menu screens • Chain to other menu screens • Display for a preset length of time from 1 to 255 sec. • One line of 128 characters of scrolling text • Up to 25 register monitors |
| Help Screens | <ul style="list-style-type: none"> • Display from any message, recipe, or menu screens |

Mechanical

| | |
|----------|---|
| Features | <ul style="list-style-type: none"> • Adjustable decimal location and field width • Fully programmable linear scaling on decimal, signed and long formats • High/low limits • Increment/decrement value • Left/right justification • Optional comma insertion, hide data and leading zero • Read only or read/write |
| Formats | <ul style="list-style-type: none"> • Decimal • Signed • Long • 4-digit or 8-digit BCD • Binary --- 1/0 coil, on/off coil, bank 8 or bank 16 • ASCII string (allows display of ON/OFF or other text strings in place of 1/0 values) |

Maple Systems, Inc.

808 134th St SW, Suite 120, Everett, WA 98204

425.745.3229 • 425.745.3429 (fax) • Email: maple@maplesystems.com • www.maplesystems.com