VT505 provides an ideal operator interface for monitoring and changing process parameters in any slave instrument. Compatible with any Modbus RTU product such as the Mini8™ Controller or 2500 it can also be used as an operation window into other communicating devices.

Although compact, the VT505 is constructed in a rugged, pressed aluminium case with a sealed matrix touch display. Its IP65 panel rating makes it ideal for harsh industrial environments.

Dynamic text, help messages and easy to use function keys provide the operator with rapid access to any data that they wish to view or adjust. Functions can be programmed via the matrix touch screen for direct access to displays, alarms, recipe download or simply to toggle or alter a variable.

The VT505 can be ordered pre-configured to suit Mini8 Controller applications, enabling plug and play operation, without the need for any user configuration. Alternatively, users can create their own customised view of the process using the VTWIN programming software.

**Technical Specification**

**Operator panel**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display type</td>
<td>Graphic LCD. 4 tones of blue STN</td>
</tr>
<tr>
<td>Touch screen</td>
<td>Matrix 20 x 16</td>
</tr>
<tr>
<td>Back lighting</td>
<td>CCFL</td>
</tr>
<tr>
<td>Back lighting lamp life</td>
<td>45000 hours (at 25°C)</td>
</tr>
<tr>
<td>Resolution</td>
<td>320 x 240 pixels</td>
</tr>
<tr>
<td>Display area (mm)</td>
<td>115.17 x 86.37</td>
</tr>
<tr>
<td>Columns by rows/Character</td>
<td>Depending on used font</td>
</tr>
<tr>
<td>Contrast adjustment</td>
<td>Software set</td>
</tr>
<tr>
<td>Character set</td>
<td>Programmable fonts/TTF Windows</td>
</tr>
</tbody>
</table>

**User memory**

- Project (byte): 640k
- Recipes/Alarm buffer (bytes): 16k/-flash

**Interfaces**

- MSP serial port: EIA232/422/485/TTY 20mA

**Dimensions**

- External (mm): 210W x 158H x 60D
- Cut out (mm): 198W x 148H
Technical data

- **Power supply**: 18...32Vdc/10W
- **Power Consumed (24Vdc)**: 10W
- **HD (non-condensing)**: <85%
- **Storage/transport temp. (°C)**: -20...+60
- **Operating temperature (°C)**: 0...+50
- **Protection level**: IP65 front
- **Power supply**: 18...32Vdc/10W

Main features

- **Languages on line**: 4
- **Passwords**: 10/8
- **Pages/Fields per page**: 128/34
- **IPA (no. of pages/fields) available**: DEC, HEX, BIN, BCD, ASCII, floating point
- **Dynamic text/Lists of images memory**: -/256
- **ISA alarms/info-messages**: -/256
- **Help messages (pages/info messages/alarms)**: 128/256/-
- **Recipes (no./variables per recipe)**: 128/256
- **Macro (no./commands per macro)**: 1024/16
- **Auto operations/timers/equations**: 32/32/32
- **Max bargraphs per page**: 34
- **Max bargraphs per page (taken together with fields)**: 34
- **Project images**: 158
- **Buttons per page**: 158

Ordering code

**Type**

- **VT505**: Monochrome touch screen, 320 x 240 pixels
- **EC8**: 8 loop plastics controller
- **EC16**: 16 loop plastics controller
- **EC24**: 24 loop plastics controller
- **EC32**: 32 loop plastics controller
- **FC8**: 8 loop 4-20mA OP
- **FC16**: 16 loop 4-20mA OP
- **FC24**: 24 loop 4-20mA OP
- **FC32**: 32 loop 4-20mA OP

**Applications**

- **NONE**: Blank configuration
- **Min8 Controller**: No cable supplied
- **Modbus EA485**: Modbus EA232

**Network Cables**

- **NONE**: No configuration software
- **VTWIN**: VTWIN configuration software

**Installation Manual**

- **NONE**: Multi-language

**Config. Software Language**

- **NONE**: VTWIN software

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Part No. HA029201 Issue 1

VT505 Specification sheet

Printed in England 01.06