

## PMI-Range

### PMI v315 ATEX



Graphics operator terminal with resistive touchscreen and integrated visualisation software, approved for use in potentially explosive atmospheres, zones 2 and 22

#### Features

- Operating system: Microsoft Windows® CE.NET 4.2
- Front IP65
- ATEX category:  
II 3G EEx nA II (T4)  
II 3D IP65 (T60°C)
- CSTN-flat screen, 5.7"
- Editor can be supplied in several languages
- Compact dimensions

#### Approvals

|  | PMI v315 ATEX |
|--|---------------|
|  | ●             |
|  | ●             |

| Technical details                          | PMI v315 ATEX                                                                                                  |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Display</b>                             |                                                                                                                |
| Display type                               | LCD (CSTN), 256 colours, 200 cd/m²                                                                             |
| Screen diagonal                            | 5.7"/147 mm                                                                                                    |
| Screen resolution                          | 320 x 240 pixels, QVGA                                                                                         |
| Touchscreen                                | Analogue resistive, in accordance with DIN 42 115                                                              |
| Character set                              | Unicode                                                                                                        |
| Luminosity halved after (back lighting)    | 40 000 hours                                                                                                   |
| <b>Computer</b>                            |                                                                                                                |
| Processor                                  | RISC processor, 400 MHz                                                                                        |
| Memory expansion                           |                                                                                                                |
| Flash memory                               | 32 MByte                                                                                                       |
| SDRAM                                      | 64 MByte/128 MByte (optional)                                                                                  |
| Real-time clock                            | Battery-buffered real-time clock                                                                               |
| <b>Interfaces</b>                          |                                                                                                                |
| Serial interface                           | 1 x RS 232, 9-pin male D-Sub connector<br>1 x RS 232/RS 422/RS 485 (selectable),<br>9-pin male D-Sub connector |
| Printer interface                          | USB host ( <b>not approved in an Ex area</b> ), parallel (optional)                                            |
| USB interfaces                             | <b>2 (not approved in an Ex area)</b>                                                                          |
| Internal fieldbuses                        | MPI/PROFIBUS DP-Slave (optional), other (optional)                                                             |
| Audio interface                            | LINE OUT ( <b>not approved in an Ex area</b> ), Stereo jack socket, 3.5 mm                                     |
| Ethernet interface                         | RJ45, 10/100 Mbit/s, second interface (optional)                                                               |
| PCMCIA                                     | 2 slots: 2 x Type II or 1 x Type III (e.g.: CompactFlash) ( <b>not approved in an Ex area</b> )                |
| <b>Electrical data</b>                     |                                                                                                                |
| Supply voltage                             | 24 VDC                                                                                                         |
| Tolerance                                  | 20.4 ... 27.6 VDC incl. residual ripple                                                                        |
| Power consumption                          | Typ. 6,5 W                                                                                                     |
| <b>Environmental data</b>                  |                                                                                                                |
| EMC                                        |                                                                                                                |
| Noise immunity                             | EN 61000-6-2, 04/99                                                                                            |
| Noise emission                             | EN 55022, Class A, 04/03                                                                                       |
| Protection type (EN 60529, 02/00)          | Front: IP65<br>Back: IP20                                                                                      |
| Protection class (EN 60950, 03/97)         | 1                                                                                                              |
| Ambient temperature (EN 60068-2-14, 11/99) | 0 °C ... +50 °C                                                                                                |
| Storage temp. (EN 60068-2-1/-2, 07/94)     | -20 °C ... +60 °C                                                                                              |
| Climatic suitability (EN 60068-2-3, 10/01) | Max. 90 % r.h., at +40 °C                                                                                      |
| Condensation                               | Not permitted                                                                                                  |
| Vibration (EN 60068-2-6, 04/95)            | Frequency: 10 ... 150 Hz<br>constant 1g                                                                        |
| Shock (EN 60068-2-27, 03/93)               | 15g, 11 ms                                                                                                     |

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#### Description

This unit is used to operate and monitor technical processes. The PMLvisu is a component (Ex component) belonging to equipment group II, category 3GD. The PMLvisu must be built into protective housing or control cabinets which meet the requirements of EN 60079-15 or EN 60079-0. The housing protection type must be at least IP64.

PMLvisu has the following interfaces:

- two serial
- one parallel (optional)
- two USB (**not approved in an Ex area**)
- an Ethernet interface (can optionally be expanded to two)
- an internal fieldbus.

Different drivers are available to connect to the connected device and to the process. Data exchange between the device and the operator terminal runs automatically with the loaded driver. No programming is required on the device side. Memory to Memory (MtoM) is available as a passive driver.

This enables any host computer to be connected to the operator interface (PMLvisu) using a freely definable ASCII-protocol.

Projects are generated on a PC with Windows® using the menu-driven editor software PMI-PRO. Projects consist of one or more screens, each of which is generated in the editor and can contain texts, graphics and animation. You can draw screens yourself or build them up using elements from the library. The library contains elements such as switches, lamps and bar charts, for example. These can be inserted into any screen and can have parameters set for them.

| Mechanical data        | PMI v315 ATEX     |
|------------------------|-------------------|
| Dimensions (H x W x D) | 155 x 196 x 66 mm |
| Weight                 | 1.3 kg            |

#### Order references

| Description                | Order number |
|----------------------------|--------------|
| PMI v315 basic             | 261 070      |
| PMI v315 LPT               | 261 071      |
| PMI v315 MPI               | 261 072      |
| PMI v315 PROFIBUS DP-Slave | 261 073      |
| PMI v315 CANopen           | 261 075      |

#### Accessories

| Description                                  | Order number |
|----------------------------------------------|--------------|
| PMI-PRO Editor Full licence (D, GB, F, E, I) | 310 400      |
| PMI-PRO Editor                               |              |
| Transfer licence (D, GB, F, E, I)            | 310 403      |
| PMI-PRO Editor                               |              |
| Upgrade licence (D, GB, F, E, I)             | 310 405      |
| PMI-PRO open licence (D, GB, F, E, I)        | 250 500      |
| Download cable PMI-PC                        | 310 300      |
| Cable PMI-Siemens S5/PG                      | 310 305      |
| PMI 5,7"/15 cm configuration stand           | 375 253      |
| PMI fastening kit                            | 310 396      |
| PCMCIA to CompactFlash card adapter          |              |
| <b>(not approved in an Ex area)</b>          | 375 300      |
| CompactFlash card 64MB                       |              |
| <b>(not approved in an Ex area)</b>          | 310 382      |
| CompactFlash card 128MB                      |              |
| <b>(not approved in an Ex area)</b>          | 310 384      |
| PMI 5,7"/15 cm protective membrane           |              |
| <b>(not approved in an Ex area)</b>          | 375 310      |

Current process data and alarm messages can be displayed online. A USB (**not approved in an Ex area**) or a parallel interface (as an option) is available for the printer for recording the online data. Projects are transferred from the computer to the PMLvisu's user memory via serial or Ethernet interface. Runtime software which has been installed on the PMLvisu runs the project.

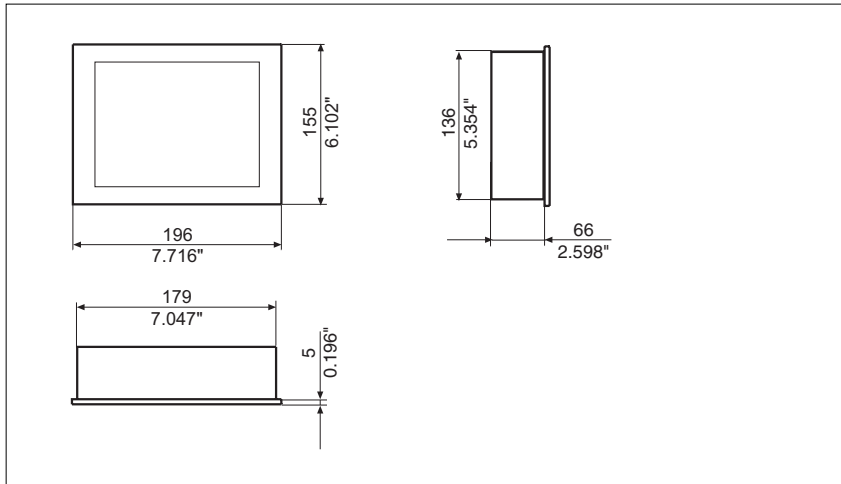
#### Functions

- Displays and controls process data
- Animation
- Alarms
- Chronological event list
- Language conversion online
- Inserting screens
- Password administration
- Recipe management

## PMI-Range

### PMI v315 ATEX

#### Dimensions (in mm/")



#### Mounting cut-out (in mm/")

