



OPEN HMI with 19" Display



With the Exicom ET-456 and Provicom MT-456, R.STAHL HMI Systems is launching the top models of the powerful Open HMI series with standard hardware interfaces and an open operating system. These new models have a brilliant 19" display with a touch screen. Standardization is made easy with these user-friendly devices: depending on requirements, they can be run either with the visualization software of major providers or they can be used as Thin Clients in network environments.

Highlights:

- Universal operating and monitoring device for installation in hazardous locations of zones 1, 2, 21 and 22 (Exicom) or zones 2 and 22 (Provicom)
- Windows XP embedded or professional operating system
- 1 GB RAM, Flash Disk with 1 or 4 GB, upgradeable to up to 60 GB HD
- Multilingual installation with support of 25 different languages and fonts such as German, English, French, Chinese, Japanese, Cyrillic and others
- Touch screens with soft keyboards for 150 language layouts
- Designed for industrial environments with an ambient temperature of up to 50°C
- Option to integrate card reader systems (Barcode, RFID, Wiegand)
- Fast backup and recovery function via USB
- Several communication interfaces such as WLAN*, Ethernet, Bluetooth*, serial, USB and Profibus* (* via USB)



Exicom

ET-456



Exicom ET-456 and Provicom MT-456



Technical Data

| | | |
|---------------------------------|--------------|--|
| ATEX | ET-456 | II 2 (2)G Ex d e mb ib [ib] [opis] IIC T4 II 2 D Ex tD A21 IP65 T90°C |
| ATEX | MT-456 | II 3 (2) G Ex nA nL [nL] [ib] IIC T4 II 2 aD Ex IP65 T90°C |
| Display | ET- / MT-456 | TFT-Color, 262.144 Colours |
| Display size | | 19" |
| Resolution | | SXGA 1280 x 1024 pixels |
| Backlight | | CFL Backlight |
| Life time at 25°C | | 50.000h |
| Brightness | | 300 cd/m² |
| Operating components | ET- / MT-456 | |
| Touch screen analogue resistive | | 8 Wire Touch screen |
| Keyboard | | Polyester membrane on aluminium plate |
| Function keys/ letterable | | 8/ - |
| Softkeys | | - |
| Alpha and system keys | | - |
| Keyboard 105 keys | | optional |
| Track ball/ Joystick | | optional |
| Interfaces | ET-456 | |
| Ethernet | | 100Base-Fx Fibre Optic (Ex op is) |
| USB | | 2 Ex e / 2 Ex i |
| Seriell RS-232 or RS-422 | | 2 Ex e |
| Profibus DP / MPI (optional) | | Feldbus-Bridge/ MPI-Box |
| Interfaces | MT-456 | |
| Ethernet | | 10/100Base-Tx RJ45 |
| USB | | 2 Ex nA / 2 Ex i |
| Seriell RS-232 or RS-422 | | 2 |
| Profibus DP / MPI (optional) | | Fieldbus Bridge / direct connection |

| | | |
|----------------------------------|--------------|--|
| Processor | ET- / MT-456 | Pentium M up to 1,6 GHz |
| RAM | | 1 GB |
| Flash disk/ extension | | 1 GB or 4 GB/ up to 60 GB |
| Powersupply voltage / current | | 24V DC / max. 2,6 A |
| Operating system | | Windows XP embedded or professional |
| Ambient conditions | ET- / MT-456 | |
| Protection class (front / back) | | IP65/ IP65 |
| Operation | | -10°C - +50°C |
| Storage | | -20°C - +60°C |
| Humidity (without condensation) | | 90% at +40°C |
| Vibration operation | | 3 to 22 Hz 1mm amplitude, 22 to 500 Hz 1g |
| Shock operation / transport | | 15g / 11ms 25g / 6ms |
| Dimensions | ET- / MT-456 | |
| Front (H x W) | | 425 mm x 535 mm |
| Cut out (H x W x D) (+/- 0.5 mm) | | 412.5 mm x 522.5 mm x 165 mm |
| Accessories (optional) | ET- / MT-456 | |
| Barcode scanner | | ✓ |
| RFID reader | | ✓ |
| USB stick | | ✓ |



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