

MT-687 – 24" WU (1920 x 1200)

NO. DS200640260104 | EN
2014 | V 01.01.00



MT-687 – 24" WU (1920 x 1200)

Highlights

- Digital image transfer (best image quality without time consuming-adjustments)
- Driverless data transfer (plug & play)
- State-of-the-art, energy-saving LED backlighting technology, with optional touch screen
- Rugged design, IP66 (front and back side)
- Without additional enclosure suitable for use in hazardous areas
- Many enclosure and mounting options

Explosion Protection



Explosion Protection Examination Certificate
BVS 12 ATEX E 033 X

Explosion Protection Identification

ATEX directive 94/9/EG

MT-xx7

I 3 (1) G Ex nA nR [ia op is Ga] IIC T4 Gc

II 3 (1) D Ex tc IIIC [ia op is Da] IP66 T110°C Dc

Ingress protection

Front and back side IP66

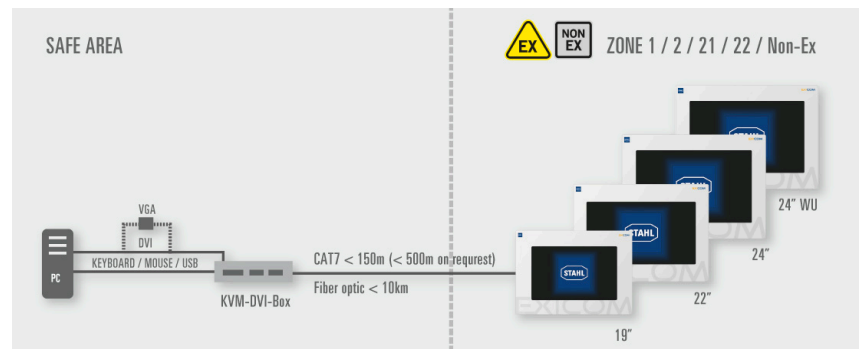
Description

With the MT-687 operator interface, and its 24" WU display with state-of-the-art resolution we take the widescreen technology to machine-level operation. Modern digital data transfer technology and the high-quality LED-backlit display add to the MT-687's outstanding qualities – suitable for use in hazardous areas, Zone 1.

The high bright 24" WU terminal provides best process image quality, point-to-point from the PC, in a 1920 x 1200 resolution and 16:10 aspect ratio – currently only provided by R. STAHL HMI Systems. Designed as a control panel module, the monitor can be mounted into stainless steel enclosures or walls – either front-mounted or rear-mounted.

The standard MT-687 version comes without touch screen, but is also available with intuitive glass or foil touch screen. All displays are lead-, cadmium-, and mercury-free – we take GREEN TECHNOLOGY seriously. For keyboard operation, a plastic-coated Windows keyboard with integrated pointing device is available, e.g. trackball, joystick, touch pad or mouse that can be operated with one or two hands.

Operating Principle



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Technical Data

Mounting design	Front panel mounting		
Display	61 cm (24" WU) TFT color display 16.7 million colors WUXGA 1920 x 1200 Aspect ratio 16:10 Brightness 300 cd/m ² Contrast 1000:1 5 wire resistive touch screen as a standard		
Backlighting	LED technology Service life 50,000 h at +20 °C		
Display function keys	-		
External keyboard	Ex ia 107 keys, incl. trackball / joystick / mouse / touch pad		
Data transfer / cable length	<table><tr><td>KVM box: DVI 2 (up to 1680 x 1050) Copper: up to 500 m (1640 ft)</td><td>KVM box: DVI 3 (up to 1920 x 1200) Copper: up to 150 m (492 ft) LWL: Multi mode up to 500 m (1640 ft) LWL: Single mode up to 10,000 m (33,000 ft)</td></tr></table>	KVM box: DVI 2 (up to 1680 x 1050) Copper: up to 500 m (1640 ft)	KVM box: DVI 3 (up to 1920 x 1200) Copper: up to 150 m (492 ft) LWL: Multi mode up to 500 m (1640 ft) LWL: Single mode up to 10,000 m (33,000 ft)
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Interfaces	1 x Ethernet 10/100BaseTx Ex nA or LWL 100BaseFx, 100 Mbit Ex op is 2 x USB Ex ia 1 x USB Ex nA 2 x USB Ex ia (keyboard, pointing device) 1 x RS-232 Ex nA Optional interfaces 1 x Reader box for card readers / barcode scanners 1 x FBAS Ex nA (video) 1 x Audio line out Ex nA WLAN via USB Ex nA		
Dimensions (W x H x D)	600 x 475 x 110 mm (23.62 x 18.7 x 4.33")		
Wall section	615 x 435 (+/- 0.5) mm (24.21 x 17.13 (+/- 0.02"))		
Mounting position	horizontal / vertical		
Weight	16 kg (35.2 lbs)		
Power supply	24 VDC (max. = 3 A) 100 - 240 VAC (max. = 1 A)		
Permissible ambient temperature ranges	Operation -20 °C up to +60 °C Operation with heater * -30 °C up to +50 °C (option) Storage -30 °C up to +70 °C * The heater has to be designed to ensure that the temperature inside the enclosure of the operating unit does not fall below -20 °C (-30 °C only at the front side)		
Heat dissipation	approx. 40 % through front side, approx. 60 % through back side		
Relative humidity	10 up to 90 % at +40 °C, non condensing		
Material front side	Aluminum front plate, glass, optional glass touch screen or polyester touch screen		
Material back side	Galvanized sheet steel		
Ingress protection	Front and back side IP66		