KERMAZ

Terminex 100

Type of protection	II 3G EEx-nR II T6
Temperature class	T6
Degree of protection	IP65
Temperature	-20°C / +40°C

Terminal ATEX for zone 2

Composition

17 '' screen, keyboard, touchpad or trackball (other on request) CAT KVM Transmitter Module
Touch screen on request

Mounting   Wall, suspended or on post

Marking   II 3G Ex-nR II T6

Temperature and protection -20/+40°C - IP65

Standards

Directive ATEX 94/09/CE (ATEX 100A)
EN60079-0 (2006) : for material in general
EN60079-15 (2005) : for the type of protection "n"
 EN60079-7 (2003) : for equipment with increased safety

Generality

Restricted breathing is a method of cabinet construction such that the possibility of penetration for an explosive external atmosphere is reduced to near zero. This method is used only in zone 2 where the presence of explosive atmosphere results from abnormal conditions and this for a period of less than ten hours per year.

The concept of restricted breathing

The principle of the concept of restricted breathing is based on the construction of particularly tight envelopes. This limits the possibility for explosive gases to enter the interior. This technic ensures that the concentration inside the envelope will never exceed the minimum level of flammability, even over a long period, given the possible duration of presence of gas in the environment.

Concept application

This technique is used to protect devices that produce sparks under normal conditions of use or that have components that can heat. Installed equipment can not increase envelope temperature by more than 10 degrees C. KERMAZ enclosures have been designed for this purpose in order to respect the characteristics of the equipment. Tests are performed on the assembled systems to verify that the operating conditions are met.

Specifications & options

17" LCD display	17" TFT Active Matrix Panel
Dimensions of the display	337.92 x 270.34 mm
Pixel	0.264 x 0.264 mm
Display modes	VGA 640x350 (70Hz) VGA 720x400 (70Hz) VGA 640x480 (60/72/75Hz) SVGA 800x600 (60/72/75Hz) XGA 1024x768 (60/70/75Hz) SXGA 1280x1024 (60/70/75Hz) Mac. 832x624 (75Hz)
Maximum resolution	1280x1024
Contrast ratio	500:1
Brightness	250 cd/m²
Response time	15mS (Rising), 10mS (Falling)
Color display	16M (dithering)
Angle of vision	+85° ~ -85°(left/right) +85° ~ -85°(up/down)
Signal input Video Synchronisation	R.G.B Analog 0.7V Peak-to-Peak TTL Positive or Negative
Signal input connector	15Pin Mini D-sub
Order	Power On, Menu, Select (Up, Down), Adjust (+, -)
OSD	Auto Adjust, Contrast, Brightness, Clock, Phase, H-Position, V-Position, Color Temperature, Default.
Options	Touch screen, keyboard, mouse Video inpu : Pal/NTSC & connector S-vidéo/AV
Supply	Universal 90-240V, 12V/45W
Dimensions	
Weight	
Certification	FCC-B, CE, UL