

TERMEX 330

TERMEX 330 is an intrinsically safe graphics panel. With its versatile functions and interfaces, it is ideally suited as control and display panel or as machine panel. By use of **TERMEXpro**, the graphical Windows software package for TERMEX units, project design and parameterization can be done easily and cost efficient. Several optional connections for barcode readers, scales, expansion keyboards and digital inputs and outputs are available as options.

Ex-classification according to ATEX 95, d			
Type of protection:	Intrinsically safe (acc. to EN 50020), EEx ib IIC T4		
	II 2G EEx ib IIC T4, DMT 02 ATEX E 239		
	Dust explosion proof acc. to EN50281		
	II 3 D X T135°C IP65 in case of mounting ABG-1 or ABG-3		
Degree of protection acc. to EN60529/IEC 529:			
Degree of protection front panel:	IP 65		
Degree of protection rear panel:	IP 20		
installed in polyester case ABG-P:	IP 54		
installed in stainless steel case ABG-V2A:	IP 65		
Calibration certificate:			
Calibration certificate TERMEX 330:	Acc. to DIN EN 45501		
	No. D09-95.32 Addendum 2		
Dioplay	As a module for class III and IIII scales		
Resolution:	Display:		
างอองเนแบบ.	240 x 128 pixels, 4 standard fonts, additional fonts can be loaded		
	12 lines x 40 characters, character height 4.5 mm		
	8 lines x 26 characters, character height 5.5 mm		
	4 lines x 20 characters, character height 12 mm		
	4 lines x 13 characters, character height 12 mm		
	Text and graphics freely designable		
	Background bitmaps can be loaded		
	Pixels, lines, blocks, borders and bar graphs can be		
	designed.		
	LCD, supertwisted nematic, with or without backlight		
	Active display area: 148 mm x 74 mm		
Front plate:			
Material:	Anodized aluminium		
	Display cutout with non-reflecting glass cover		
	Polyester front foil, printed on reverse		
Keyboard:	Short-stroke keys		
	Number block		
	10 function keys (dual assignment with Shift key)		
	Either standard layout or customized layout with insertable		
	label strips (not ex works)		
	3 special keys S1S3		
	Shift and Alt keys Cursor block		
LEDs:	Outsof block		
ON	to indicate the power supply		
COM	to indicate the power supply to indicate a host communication fault		
!	to indicate that messages are pending		
AZ	to indicate that alphabetical input modes are allowed		
Functio keys	10 green LEDs or application-specific programming		
LED-Array	6 red LEDs, parallel, to indicate alarms		
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Technical data

Configuration: Project design data: Proper (RS232) connected to mains buffer stage, type EMT-DC-xxx Ports: Port parameters: Port parameters: Port parameters: Port parameters: Proper (RS232) connected to mains buffer stage, type EMT-DC-xxx Ports: Port parameters: Proper	Project design:		
Project design data: Downloadable from a PC Via a serial port PC port (RS232) connected to mains buffer stage, type ENT-DC-xxxx Port parameters :		Integrated setup menu for setting all device parameters	
PC port (RS232) connected to mains buffer stage, type ENT-DC-xxxx Ports: Port parameters: (TERMEX <→ ENT: 20 mA current loop, passive/passive ENT <-> host: RS232 / 20 mA current loop, passive/passive ENT <-> host: RS232 / 20 mA current loop, passive/passive, settable / optional RS485 1200 - 19,200 baud, settable (setup) Parity: even, odd, mark, space, none (setup) 7 / 8 data bits, settable (setup) Parity: even, odd, mark, space, none (setup) 7 / 8 data bits, settable (setup) Default: 9600 baud, 8 data bits, even parity, 1 stop bit Interface protocols: MPI Siemens S7 Profibus DP, Siemens S7 3964R/RK612, various AS511, Siemens S5 MODBUS/RTU master, various MODBUS/RTU master, various DF1, Allen-Bradley ASCII protocol EXTEC Cable scanner EX-Dragon-D101 Radio scanner EX-Dragon-D101 Radio scanner EX-Dragon-M101 Expansion keyboard K36/KL30 Various container and platform weighing Digital inputs/outputs Firmware and functional test: Firmware: The firmware is stored in a FLASH chip and is updatable. The latest version can be downloaded from the EXTEC web site. The firmware can be loaded onto TERMEX 330 terminal using the TERMEX yro Loader software. Functional test: Integrated detection of all hardware components during start/eset and self-test. Dimensions and weights: Front plate (WxH): 288x220mm 276x208mm Mounting depth: 72mm incl. terminals, without connector Weight: Approx. 1,9 kg Ambient conditions: Operation: 20°C + 50°C Cyc - + 70°C Rel. humidity: EMC declaration The manufacturer, Pepperl+Fuchs, certifies that this product conforms to the relevant EMC directive. Interface modules can be integrated into the TERMEX terminals configured with 3 digital inputs and 3 digital outputs EMC declaration The TERMEX 330 can be equipped with a TERMEX K36 keyboard Stainless Steel enclosure, desktop mount: Dimensions in mm: 346 x 285 x 114			
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Mounting depth: Weight: Approx. 1,9 kg Ambient conditions: Operation: Storage: Rel. humidity:: O% - 75%, without condensation, 48h endurance test EMC declaration The manufacturer, Pepperl+Fuchs, certifies that this product conforms to the relevant EMC directive. Interference emission: Noise immunity: EN 55011 : 1998 + A1 :1999 Noise immunity: EN 61000-6-2 : 1999 Accessories: Digital input/output modules: Interface modules can be integrated into the TERMEX terminals configured with 3 digital inputs and 3 digital outputs Expansion keyboard K36: The TERMEX 330 can be equipped with a TERMEX K36 keyboard Stainless Steel enclosure, wall mount: Dimensions in mm: 346 x 285 x 114 Plastic enclosure: Dimensions in mm: 340,5 x 340,5 x 150		276x208mm	
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Interference emission: Noise immunity: Accessories: Digital input/output modules: Expansion keyboard K36: Stainless Steel enclosure, wall mount: Stainless steel enclosure, desktop mount: Plastic enclosure: EN 55011: 1998 + A1:1999 EN 61000-6-2: 1999 Interface modules can be integrated into the TERMEX terminals configured with 3 digital inputs and 3 digital outputs The TERMEX 330 can be equipped with a TERMEX K36 keyboard Dimensions in mm: 346 x 285 x 114 Plastic enclosure: Dimensions in mm: 316 x 285 x 114 Dimensions in mm: 340,5 x 340,5 x 150			
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Further housings on request!		Dimensions in mm: 340,5 x 340,5 x 150	
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