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FM Approval for the TERMEX family

Compact terminals for the Ex-area now also available for the USA

With immediate effect the "TERMEX" Terminals from Pepperl+Fuchs are now also available with FM approval. Together with the "ENT DC" power supply unit, these compact operating and display units can therefore now also be used in North America. The approval is in accordance with IS CL I, DIV 1, GP A, B, C, D.

The text terminals TERMEX 221 and TERMEX 321 with a monochrome display (4 lines, each with 20 characters) are used for operator guidance, the presentation of measured values and message displays on systems of low complexity.

The monochrome graphics terminals TERMEX 231 and TERMEX 331 are used on systems with increased requirements in terms of presentation and operation. The graphics terminals have a single resolution of 240 x 128 pixels (maximum 14 lines, each with 40 characters) and permit a more ergonomic presentation of the operating pages by means of different font sizes and embedded graphics.

The intrinsically safe TERMEX terminals are connected to the respective PLC via the power supply unit in the safe area. Various interfaces are available for the transfer of data from and to the PLC. These include interfaces such as RS 232, RS 485 and TTY, as well as the field bus protocols such as Modbus and Profibus DP. Thus all the current PLC controls of manufacturers like Siemens and Allen Bradley can communicate with TERMEX terminals. Even the classic mode of operation as a terminal for a host computer with the ASCII protocol is possible.

Up to now the TERMEX terminals are available with ATEX approvals for Zones 1 and 2 (to category II 2 G) and Zone 22 (to category II 3 D). In combination with peripheral devices, such as barcode readers, scales and additional keypads, a great variety of self-standing system solutions for the flexible and cost-effective operation and observation of machines and processes are catered for. Operating pages can be easily planned with the additional

software TERMEXPro. Where required, projects can even be freely programmed. Due to its openness and extendibility, the TERMEX family has proved its value in a very varied range of areas such as pharmaceuticals, the food and beverage industry and oil and gas.

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Characters: 1,889, without space characters

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Fig. 1:
The compact Termex operating terminal now has FM approval for the USA