

Display and operating unit Exi, type 6922-10

- Graphic display
- Monochrome
- Touch-screen
- High-contrast
- Legible even in direct sunlight
- Background light
- Large keys
- Optimum operator guidance



Attention:
Handling „fingers only“

Description

The „operating and display unit Exi“ is the interface between the driver and the data acquisition system of a utility vehicle. On a large high-contrast LC display, all relevant results and statuses are shown. The display works over a wide temperature range and is easily legible even in direct sunlight. A well-structured and clear operating menu guides the user through all operating levels, processes and applications. The display and operating unit is equipped with a generous layout of keys, which is additionally guided by the operating menu. It is also possible to enter data directly on the display. A bright background light (LED) makes possible an operation without problems even in the darkness.

The touch-panel technology allows a maximum flexibility with regard to ergonomic aspects and the configuration of entries. This makes possible software-driven, variable key assignments as well as the entry of data directly on the display.

Function

The „operating and display unit Exi“ is the connecting link between process sequences and operating staff.

It makes possible to enter commands and instructions for the central computer and to display all relevant process status parameters which are provided by the central computer.

It also allows a menu-driven error diagnosis and provides instructions and tips to repair or prevent errors.

It allows to recall and view stored data relating to the process sequences and data acquisition as well as events.

Characteristic features

- Extremely high-contrast display
- Wide temperature range
- White background light
- Touch-screen, flat construction
- High flexibility
- Intrinsically safe supply and intrinsically safe data interface

Ex certification

- Application in Ex range zone 1
Device group / category II 2 G
Ignition protection type Ex ib IIB
T4
BVS 05 ATEX E 122

Standards

- EN 60079-0, EN 60079-11

Technical data	
Device-specific data	
Keyboard	Touch-screen
Display	LCD graphic capable, background light, 120 x 89 mm visual field, 320 x 240 dot transfective
Line of vision	6 o'clock
Angle of vision	Wide angle of vision behind 12 o'clock - front 6 o'clock R – F = 90° typ.
Background light	LED colour :white
Electrical data	
Auxiliary energy	From HM-interface Ex, type 6932-104; Ignition protection: Ex ib intrinsically safe circuit (for detailed electrical data see the service manual)
Connection type	10 m non-stop; slot 7XX
Interface „T“, „R“	LVDS from HM-interface Ex, type 6932-104; Ignition protection: Ex ib intrinsically safe circuit (for detailed electrical data see the service manual)
Ambient conditions	
Operating temperature	-20 ... +50°C
Storage temperature	-30 ... +60°C
Protection type	IP 65 in accordance with DIN 40050
Climatic class	ISF in accordance with DIN 40040
Ignition protection	II 2 G Ex ib IIB T4 Ex ib intrinsically safe circuit (for detailed electrical data see the service manual)
Mechanical data	
Dimensions	B x H x T: 210 x 222 x 52 mm
Material	Aluminium die-cast, blue painting
Weight	25 N
Dimensions	
Ordering details	
Designation	Order number
Display and operating unit Exi, type 6922-10, Ex ib IIB	276 749
Display and operating unit Exi type 6922-11 (with Bluetooth), Ex ib IIB	276 748