CEAG-X200 Ex-PDA

Communication in Hazardous Areas

COOPER Crouse-Hinds

Ex-PDA: Communication in Hazardous Areas

CEAG-X200 Opens up New Dimensions

Security and availability of chemical plants are based essentially on comprehensive maintenance and servicing. Hence it is not surprising that the costs for this come to at 5-12 % of the manufacturing costs. Repairs, on the other hand, are many times more expensive. Optimisation of this range therefore offers high potential for savings.

Through consistent use of PDAs, maintenance processes can be optimised and in this way costs can be reduced. The CEAG-X200 opens up a variety of efficient applications regarding the inspection, servicing, repair and maintenance of industrial plants.

Documentation:
Consistent use of digital media minimises the error tendencies of transitions between media (computer > paper > computer) and also provides transparency throughout in data evaluation.

When using a PDA, there is the option of connecting databases or Asset Management Systems. Through the elimination of transitions of media and system interfaces, a continuity of documentation is formed which allows high quality standards with simultaneously lower costs.

Process monitoring/work security:
By process and video monitoring the workflow can be observed in real time and hence safety at work can be guaranteed. Here the CEAG-X200 is connected with the camera systems via a WLAN network.

Maintenance
Additionally, with the interface for SAP mobile there is an option of connecting to maintenance tools for rapid servicing and maintenance. Instructions can also be given directly in the field, such as for instance how servicing is to be carried out, or information about the operating status of plant parts can be transmitted.

Information and Help:
Moreover, the PDA can be used as an aid for maintenance and servicing. Instructions for operation and repairs, spare part lists etc. can therefore be made available directly on the CEAG-X200 or via a WLAN server.

Features

- **Impact-, water- and vibration-resistant housing with high degree of protection (IP 65)**

- **Bright an crisp VGA TFT touchscreen**

- **Back-lit keys for optimized operation**

- **Latest CPU generation for high performance**

- **Long operating time (approx. 15 hours) due to high-performance lithium-ion battery**

For Use in Zone 2 and 22

Technical data

Marking to 94/9/EC	⟨Ex⟩ II 3 G Ex nA nL IIC T6
	⟨Ex⟩ II 3 D Ex tD A22 IP65 T60 °C
EC-Type Examination Certificate	BVS 09 ATEX E 011
Permissible ambient temperature	-20 °C up to +40 °C
Display	Colour display 16bit-TFT/Touchscreen
	LED backlight 480 x 640 pixel (VGA)
Processor	Marvel PXA320 806 MHz
Memory	1 GB Flash (non-volatile memory)
Internal storage	128 MB (volatile memory)
System software	Windows Mobile® 6.0
Communication	mini USB 2.0 Bluetooth 2.0,
	WLAN 802.11b/g, 1 CF&SDIO card
Battery	Li-Ion rechargeable pack (5200 mAh)
Operating time	approx. 15 h
Degree of protection accd. EN 60529	IP 65
Dimensions in mm (L x W x H)	176 x 100 x 50
Weight	0.596 kg (incl. battery)

Ordering details

Type	Order No.
CEAG-X200 (PDA, incl. carry case, leather)	**GHG1309801P0001**

Acessories

Type	Order No.
Leather carry case	**GHG1301903R0001**
Spare battery module	**GHG1301904R0003**
Spare battery charger	**GHG1301904R0002**
LCD protective cover (anti-glare)	**GHG1301905R0003**
LCD protective cover (high-gloss)	**GHG1301905R0002**
Stylus pen	**GHG1301905R0001**
CF card 1GB	**GHG1301906R0001**
CF card 2GB	**GHG1301906R0002**

Wireless communication in hazardous areas:

The explosion-protected PDA CEAG-X200 ensures flexible, secure and reliable data exchange in hazardous areas of industrial plants. The robust, user-friendly communication device is approved for hazardous areas of gas and dust zones 2 and 22. This is ensured by the handy scratch- and impact-proof plastic housing with high degree of protection IP 65 according to EN 60529.

Vibration, mud, heavy rain, cleaning by running water or even a drop from 1.2 m height on concrete can do no harm to this long-life device. The high-performance battery supplies energy reliably for a long operation time, approx. 15 hours. The large and crisp VGA TFT touchscreen allows to read the display even in direct sunlight.
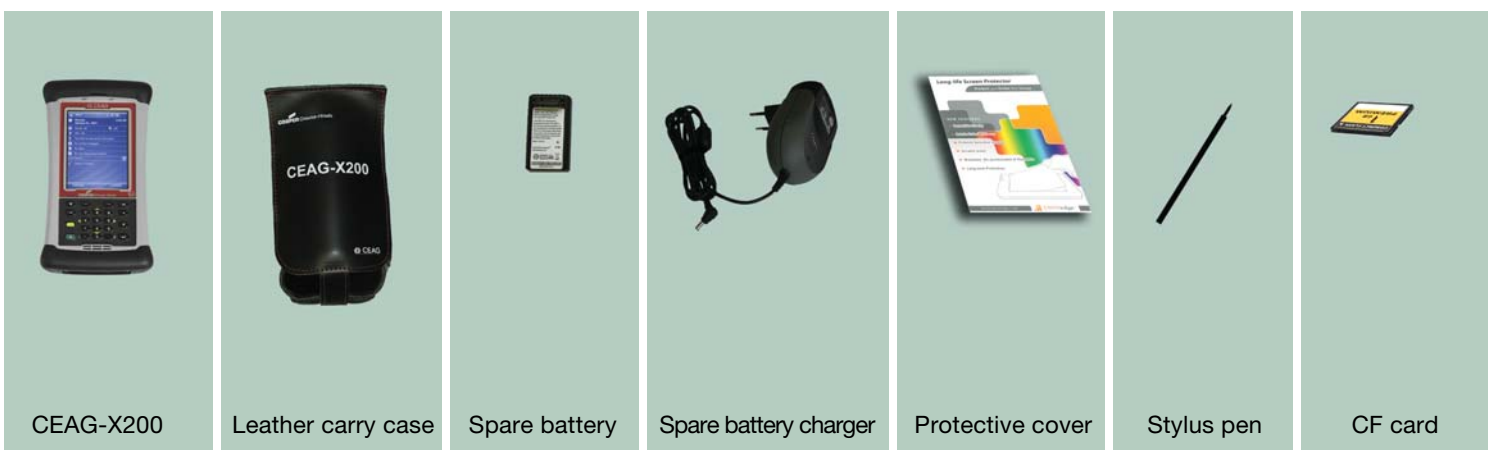
The super-fast Marvel PXA320 processor provides the highest performance, for future-proof hardware and long-term product use.

CEAG-X200	Leather carry case	Spare battery	Spare battery charger	Protective cover	Stylus pen	CF card

PDA CEAG-X200

CEAG

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