
LED timer made by Microsyst in Hümmling Hospital's shock room

When every second counts

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In case of emergency, for the patient every second counts – everyday life in emergency rooms in German hospitals, also in the Hümmling Hospital Sögel gGmbH. For the emergency-relevant visualisation of the time needed to take care for a patient, the hospital has invested in modern LED timer displays for the shock room. The supplier of system electronics microSYST has produced this technical component for the emergency care according to customer's requirements– when every second counts.

Product specification: easy to use and functional

Functionality is top priority: „The operation of the display in a shock room must be intuitive and very easy. The focus of doctors and nursing staff on patients must not be affected by complicated technology“, explains Astrid Schweer, head of patient care management. The resulting targets are as follows: a stopwatch with buzzer, indicating the time in minutes and seconds, showing the time the emergency patient will be treated. Including an easy start/stop/reset function.

Individual adaption of the time algorithm

Adapted to the specific requirements, microSYST supplied a seven-colour display with variable character height for the square room which measures 36 square meters. An integrated quartz clock with stopwatch function provides an to-the-second output. The shock room algorithm can be adjusted according to the ABCD schema of an initial medical treatment and the primary-survey times can be reduced. The customised buzzer is also variabel, that means it can be reprogrammed at any time, if required. The high contrast as well as the variable character height between 50 and 120 milimeters ensure best reading conditions. Due to the seven-colour LED technology specific colours for specific messages can be set (e.g. red for warnings, white for any other information etc.). A special optical and accoustical alarm function can also be set individually. A worthwhile investment for the Hümmling Hospital Sögel: „The new timer display in the shock room led to a significant improvement and reduction of our emergency care times“.

Short return of investment period due to maintenance-free technology

The manufacturer and supplier Microsyst meets the hygienic requirements with a high-quality aluminium housing. The surface and the display screens are resistant to cleaning agents. The

maintenance-free technology and the short return of investment period of our display solutions are a real benefit also from a business management point of view“, adds Microsyst. Last but not least: the ready-to-install delivery reduced the initial operation to a necessary minimum – also an important factor, when every second counts.

For more information: Vera Lehmann
Marketing
microSYST Systemelectronic GmbH
marketing@microsyst.de

About microSYST Systemelectronic GmbH

Founded in 1985, the company based in Weiden i. d. Opf. has been developing, manufacturing and selling LED display systems for 30 years. The comprehensive know-how in LED technology goes back to the early in-house developments. This pronounced pioneering spirit is still deeply rooted in the company today. With future-oriented thinking and environmental awareness, microSYST will continue to dedicate itself to LED technology in the future under the following principles

- *Know-how right from the start*
- *Individual development and production*
- *Adapted systems with unique optics*
- *Regionally sustainable and efficient*