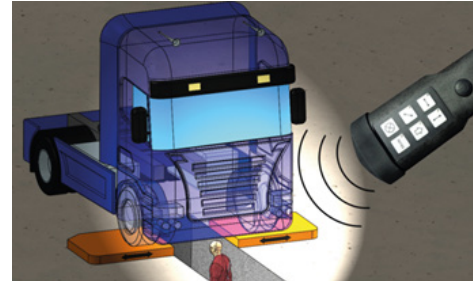


WIRELESS RADIO HAND LAMP for operation and control of axle play testers

**HIGH IMPACT RESISTANCE
WIRELESS COMMUNIKATION**

for automotive, MCR technology



Technology field

mechanical engineering, MCR technology

Project requirements

The **project objective** was the development and production of a radio hand lamp incl. Accessories for the operation and control of axle play testers. With the in-house construction high value on excellent robustness and breakage security was put. The function for illuminating the place to be inspected was integrated into the device. In accordance with the **KNESTEL** solution claim, a suitable radio receiver with control and I / O boards can optionally be supplied.

Facts/Highlights

- High impact resistance and rubberised edges
- Very bright LED light with minimal power consumption (operating time approx. 9 h)
- Attachment via belt clip or magnet
- Suitable charging station for stand or wall mounting
- Custom housing made of glass fiber reinforced polyamide
- Wireless communication in the toll-free ISM band (868,000 MHz to 869,850 MHz)

Services of KNESTEL

Potential analysis, target price estimation, project management, specifications, project planning, development of software and hardware, electrical and mechanical design, EMC test, prototyping, series production

Possible Applications

- Operation and control of axle play testers
- Control of different actuators (e.g. additional valves)

About KNESTEL: Knestel has been developing and producing customized electronic and mechatronic special solutions in the fields of motor and machine control, frequency converters, image processing, MCR technology, software development, radio, bus systems and gas analysis for 40 years. We support our customers from the idea to the finished implementation. Individual solutions and concepts - technically up to date. Our production - electronics manufacturing, device and switch cabinet construction, Production of subassemblies, assembly and mechanical processing - is equipped with the latest technology.