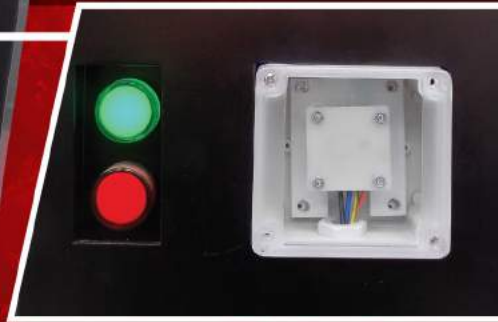


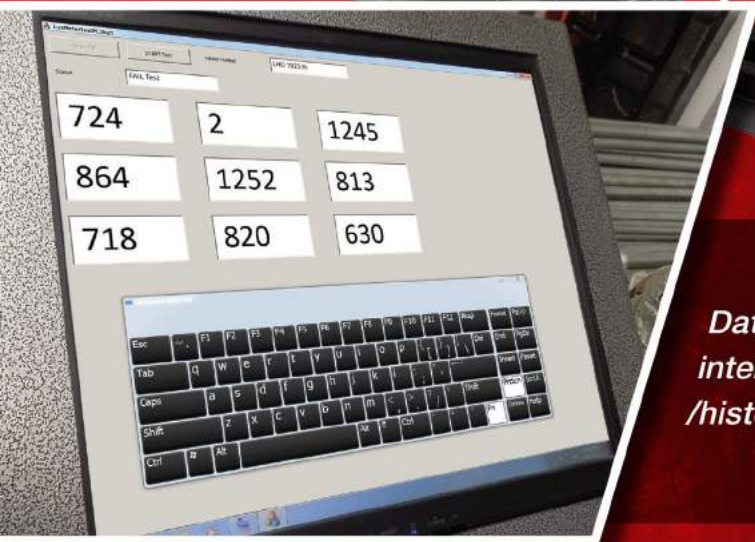
VEHICLE ILLUMINATION VERIFICATION SYSTEM



Custom Pannels with
Lux Sensors (IP65)
SABS Approval
certificate number:
2330HE011



(9 x Lux Sensor Software
Application linked to
vehicle numbers /
Downloads via USB
or Ethernet)



Data Acquisition Unit – Touch Screen User
interface complete with data logging ability
/historical data storage (basic user-friendly).

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BARNEL DESIGN & MANUFACTURING

Reg. No: 2010/147713/23 | VAT No: 4340257015

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VEHICLE ILLUMINATION VERIFICATION SYSTEM

BASIC CONFIGURATION SYSTEM SETUP:

As a standard vehicle lights should as a minimum provide 10 lux over a 20m distance. Standard mine practice requires that these readings be taken and recorded quarterly. BarNel designed and developed a Vehicle Lux Verification System that would do these readings, record them and be able to download the information date stamped and with a vehicle ID.

We have added additional LED indicators to each of the lux sensor modules for the vehicle operator to visually confirm whether the vehicle lights are parallel to the panel, this will greatly assist in the correct orientation of the vehicle. The mine to assist with the civil work and the 20m demarcation.

The system will be activated by the vehicle operator at the 20m area, either by the manual or automatic input, once our system receives this command ID the actual lux testing will commence, this will be confirmed by an amber light – START, once the test has been completed the system will give either a green light – PASS, or a red light – FAIL indication.



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