CISAM - ERNST s.n.l.

ernst

SOMECO

e-brio W

Brinell testing is of utmost importance in many areas of quality control, but inaccurate readings and long test cycles often have a negative impact on productivity.

Cisam-Ernst is pleased to present the new e-brio W optical reader, equipped with an illumination system and an advanced impression edge detection algorithm, capable of reading reliably and accurately on any material and surface, including rough ones.

Moreover, it is completely wireless! The on-board display allows for stand-alone use.

Optionally, software can be supplied for data management on a PC or tablet.

These features and the single probe suitable for all impression sizes make it a unique system in its category.

With e-brio W, indentation reading is performed in just a few seconds with a resolution of 0.001 mm

Can read surfaces with a wide range of finishing, including rough or reflective surfaces.
-> Accelerates Brinell indentation reading with reliable results, thus eliminating human error

1 µm optical resolution
-> Extremely accurate and reliable readings

Completely wireless
-> Stable and easy to use, with no cables for greater portability and elimination of accidental cable breakdown.
Possibility of using the scanning head without software, reading the measurement on the on-board display and reserving the right to purchase the software later if necessary.

Compliance with international standards.
-> The e-brio WL optical reader can be ACCREDIA certified.

The typical error that occurs with traditional Brinell indentation reading methods is 0.1 mm. With e-brio WL, the reading is taken in seconds with a resolution of 0.001 mm, allowing the Brinell value to be obtained quickly with no operator interpretation errors.

CISAM-ERNST, owner of the ERNST patent, is the only manufacturer of the calibrated pins and the corresponding conversion tables between the generated indentation diameter and the Brinell hardness value.

ERNST e-brio WL is the only Brinell reader that can be equipped with specific software for reading this indentation, as the conversion charts supplied with each pack of pins can be changed at any time, depending on the material characteristics of the calibrated pins themselves.