

BEAM SENTINEL

BY JUPITER ELECTRONICS

LASER-DOOR WARNING & BEAM-EXPOSURE LOGGING

Know your lab is safe — and prove it.

A smart sign at the lab door that shows live laser status, records every exposure, and drives an optional hardware interlock. Runs on any phone, tablet or monitor.



Any Class 3B / 4 laser



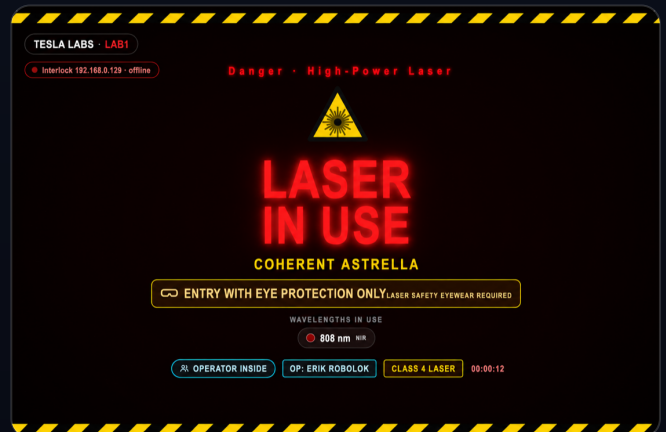
Alongside your certified eyewear

● **SAFE TO ENTER**



Green — shown whenever the laser is **OFF**.

● **LASER IN USE**



Red — shown the moment the laser is **ON**, with laser, wavelength & eyewear.

Laser settings

TURN LASER ON

Confirm the details shown on the warning screen

LASERS

e.g. Coherent Monaco

ADD

Coherent Monaco

Coherent Astrella

Coherent Vixia

Coherent Chameleon

Coherent Legend Elite

Coherent Verdi

Coherent Astrella

Coherent Monaco

Coherent Legend Elite

Coherent Vixia

Tap a name to set the one in use. It is shown on the sign and saved with every exposure report.

OPERATORS

Operator name

ADD

MS

OP

Erik Robolok

Tap a name to set the one in use. The active operator is recorded in the exposure log.

WAVELENGTHS IN USE

From

to (opt.)

nm

ADD

206

355

532

1064

808

1030-1070

10900 (CO₂)

808 nm

NIR

CANCEL

TURN LASER ON

Set exactly what the sign shows and what each record captures:

- Active **laser** and **operator**
- **Wavelength(s)** in use — presets or custom, nm
- **Entry policy** — eye protection / no entry
- **Laser class** and operator-present status

Sentinel Link — wireless laser-status & signal

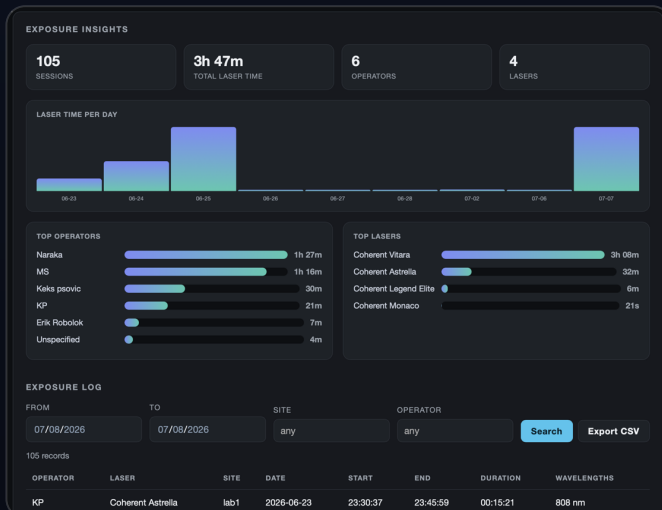


An optional wireless laser-status & signal module that ties the sign to the laser:

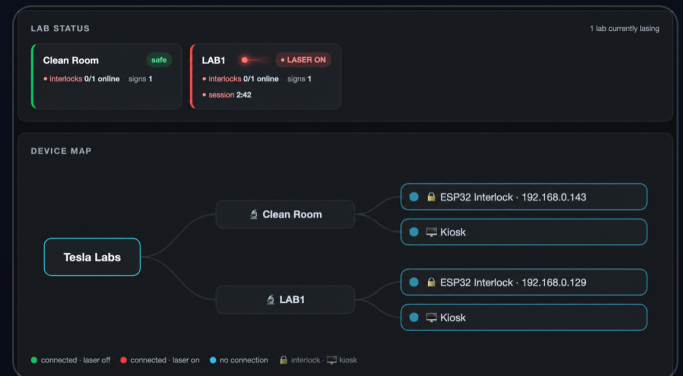
- Reads the laser status and sets the sign **ON / OFF** automatically
- Sends the running laser's parameters to the sign — current **wavelength** and **pulse / CW** regime
- Feeds a signal into your laser's interlock loop; **de-energises** on signal loss
- **SAFE / LASER ON** buttons and **SAFE / ARMED / BLOCKED** status LEDs

Organization admin portal

Gives the **laser safety officer** one place to monitor labs, devices and beam time — for every user and every laser.



Exposure insights, top operators & lasers, searchable log, CSV export



Live device map — labs, signs and interlocks, online status

- Live lab status across the whole organization
- Per-user & per-laser beam-exposure time
- Append-only records — export to CSV anytime

Beam Sentinel by Jupiter Electronics · beamsentinel.com · info@beamsentinel.com · Prague, EU

A safe-awareness and record-keeping tool, used alongside your certified laser safety controls and interlocks — never instead of them.