Photothern

Phototherm GmbH
Altenkesseler Str.17/C1
66115 Saarbrücken (GER)

Fon: +49 681 - 97 62 300
E-Mail: info@phototherm.de

# PS Light

## NEW, PHOTOTHERMAL COATING THICKNESS MEASURING DEVICE FOR DRY, WET AND POWDERED PAINTS, E-COAT AND ADHESIVES

The optical excitation of the PS Light is based on state-of-the-art LED technology. It is eye-safe and can therefore be operated without extensive protective measures. This allows a maximum throughput of your parts, which you can measure almost every second when you use the PS Light in a laboratory. Due to its sturdy construction, the long service life of its installed technology and the short measuring time, the PS Light is optimally suited for inline use both on the robot and on the traverse.

Passing parts and bodies can be detected with a continuous point-by-point measurement and the data can be evaluated over all parts. Of course, a laboratory version is also available. The measurement system is always supplied with intuitive, easy-to-use software which allows you to calibrate and measure layer materials. You will also receive widely used QM software for processing your measurement data.

Each material will only need to be calibrated once across the entire lifetime of the device. Our service would be happy to help you set up and calibrate your system. If desired, we can of course also regularly check its measuring capability as preparation for your audits.

Of course, we are any time available for individual advice regarding your requirements and wishes.

Berndt Kautter
Grad. Engineer | General Manager

Fon: +49 681 9762 300
E-Mail: b.kautter@phototherm.de

**Substrate materials:**
metal, plastic, composite materials

**Maintenance at Phototherm:**
recommended every 5 years

**Optional:** suitable for inline use, suitable for robot use, explosion proof (ATEX)

**Measuring range:**
typ. 5 µm up to 100 µm

**Precision:** typ. < ± 1 µm

**Working distance:** typ. 100 mm ± 25 mm

**Angle tolerance:** typ. up to ± 30°

**Measuring spot diameter:**
approx. 8 mm

**Measuring time:** typ. < 1 s

**Special features:** Measuring head with a high power 0.2 W – 1 W LED module (RG2 according to DIN EN 62471), System without laser- or flash protection

Exemplary, not technically binding

www.phototherm.de/en