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Scientific

# ColorChecker Dip

Off-line color sensor for liquids

Right-First-Time dyeing through  
objective color control

# ColorChecker Dip



## What is ColorCheckerDip?

ColorCheckerDip is an instrument for off-line measurement of dye and wash baths. It operates similarly to a pH probe, but provides objective color values.

It enables Right-First-Time (RFT) dyeing by verifying the dye exhaustion before drain.

Unnecessary fabric sampling is eliminated when parameters are within specification.

## Application Areas

Process control to detect dye exhaustion problems

Process control of continuous washing ranges

## Benefits

- Verification of dyebath condition before drain
- Objective color value monitoring (L\*, a\*, b\*, strength)
- Reduction of fabric sample cuttings
- Standardized quality control procedure
- Improved troubleshooting of lab-to-bulk and bulk-to-bulk colour reproducibility problems

## Features

- High-grade immersion probe
- Measurement of L\*, a\*, b\* and color strength
- Dye concentration range approx. 0.01 – 5 g/l
- Integrated pass/fail evaluation
- Optional cloud data storage
- Industrial touchscreen PC (Windows 10 IoT)
- Ticket printer



## Technical Data

Dye concentration range:	ca. 0.01 to 5g/l
Outputs:	L, a, b, strength
Temperature range for samples:	4 to 100°C
Dimensions (without probes):	354mm x 309mm x 152mm
Weight (without probes):	3.05kg
Input voltage:	100 to 240 VAC
Input frequency:	50/60 Hz
Input current:	1.5 A

## Contact

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**Problem:** Unknown dye exhaustion before drain.

**Solution:** Objective color control with ColorCheckerDip.