

Ferco

Scientific

ColorChecker E

On-line sensor for liquids

Shorter dyeing cycles and reduced water
and energy consumption through
objective colour control

ColorChecker E

What is ColorChecker E?

ColorChecker E is an instrument for the on-line colour measurement of dye and wash baths.

By carefully analysing the ColorChecker E recordings, savings in processing time, as well as in water and energy consumption of up to 30% can be achieved.

The instrument's high-specification immersion probe is normally installed in the circulation line of the dyeing machine. Suitable for laboratory and production equipment.

Application Areas

Process control of exhaust dyeing machines in lab and production

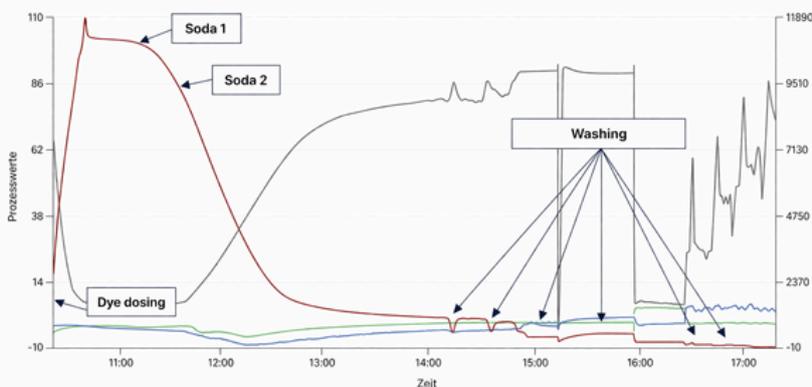


Benefits

- Objective color monitoring (L, a, b, strength)
- Reduction of processing time, water and energy consumption
- Automated 24/7 measurements
- Simple installation
- Retrofitting of existing machinery

Features

- High-grade immersion probe
- Measurement of L,a,b and color strength
- Dye concentration range approx. 0.01 to 5g/l
- Industrial touchscreen PC (Windows 10 IoT)
- Valve and fittings included
- Optional recording of process parameters like temperature of the dyeing machine



Lot no	Shade	Fabric	Dye	CONC	MLR
1500-B	Black	LY RIB	Y S3R Black WNN SUPRA	0.419 6.305	7.3

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.