

# Immersion probe with Tee for CROMLAVIEW®-color sensors

The immersion probe for CROMLAVIEW® color sensors is suitable for in situ color measurement in liquids. In chemical industry, color and color saturation of liquids are often indicators for the concentration of a solution to be determined or they indicate the state of a chemical reaction. The same applies to the analysis of water, cleaning fluids or solvents. Areas of application are, for example, the detection of dye residuals, active oxygen or suspended particles.

A tee piece with 3/4" thread connections makes it easy to connect the probe in such applications. The immersion probe is connected to a color sensor of the CROMLAVIEW® color sensor family by means of a temperature stable (up to 180 ° C) and liquid-tight reflex mode fiber cable. The emitted light is reflected by a polished plate. The adjustable measuring length (0 mm – 10 mm) ensures a large dynamic range. A suitable Tee is available. For sealing of fiber cable as well as immersion probe in the Tee, merchantable Teflon tape is recommended. For cleaning purposes reflection plate is removable.



## Features

- Measuring length 0 – 10 mm
- min. flow diameter 22,6 mm
- 2 x NPT F 3/4" thread
- for C2.0-fiber cable connection (M6)
- resistant chromium steel

## Applications

- determination of concentration resp. color of colorant
- analysis of cleaning liquid or solvent
- water analysis, detection of contamination, determination of APHA color scale
- beverage industry, e.g. ASBC resp. EBC color of beer
- color of mineral oil (Gardner, Hazen, Saybolt)

## Technical Data

Measuring length	0 mm – 10 mm
Fiber cable connector	C2.0 (M6)
Threaded connectors	2 x NPT F 3/4"
Material	Chromium steel Type 316
Dimensions	80 mm x 37 mm x 30 mm
Weight	345 g

## Part numbers:

Immersion probe: 14-3004-00  
Tee for immersion probe: 14-3005-00