



# OptiLine 6

Electrode for photometric Titrations

SI Analytics  
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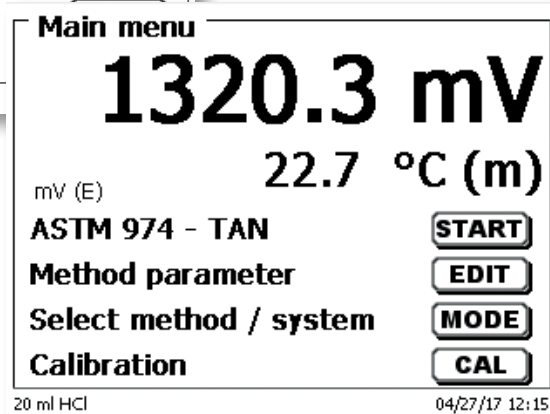
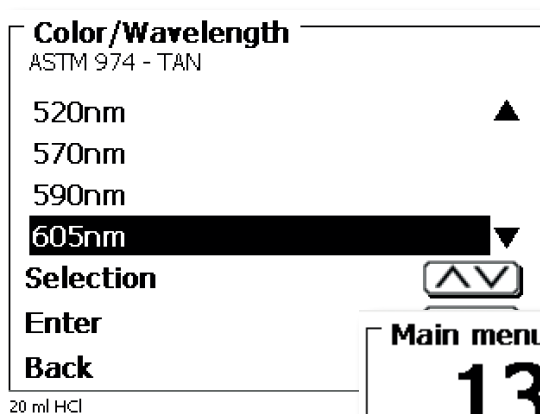
# OptiLine 6

Many titration applications and methods, e.g. N Ph.Eur or USP prescribe the use of an indicator for the titration end point. There are also methods that explicitly require the use of a photometric sensor.

The OptiLine 6 is a new photometric sensor that can be used like any other sensor. Thanks to the additional analog BNC / DIN connection, it can be connected to any titrator or even a pH meter with an appropriate measuring input.

The OptiLine 6 is connected to the titrator TitroLine® 7000, 7750 and 7800 via the USB connector. The sensor is supplied with current and detected as a digital sensor.

This allows the setting of the wavelengths and other parameters such as the intensity via the Titrator or the software TitriSoft within the titration method.



## Specifications OptiLine 6

Shaft diameter	12 mm
Shaft length:	132 mm
Minimum immersion depth:	25 mm
Shaft material:	Titanium
Cable:	fixed, 2 m
Connections:	USB-plug A, BNC-plug with BNC-DIN-adapter
Power supply:	via USB
Measuring range:	0 - 2000 mV
Temperature range:	0 - 50 °C
pH-range:	0 - 14
Adjustable wavelength (nm):	470, 520, 570, 590, 605 and 625

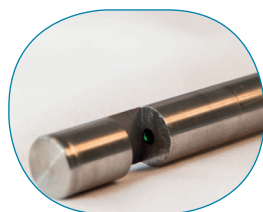
# Photometric Titrations

## Typical applications for the OptiLine 6:

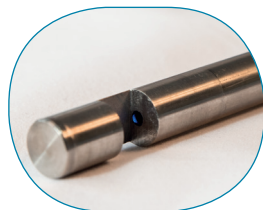
- ▲ Titrations according to PH.Eur. and USP, which require the use of an indicator
- ▲ Titration of Chondroitin sulfate-sodium according to Ph.Eur. and USP
- ▲ Determination of the carboxyl end groups in PET (non -aqueous titration)
- ▲ TAN/TBN according to ASTM D974 (non -aqueous titration)
- ▲ Titration of sulfate (indicator Thorin)
- ▲ Determination of Ca/Mg and total hardness. All other complexometric titrations can be carried out as well

Order No.	Type No.	Length L [mm]	Measuring range [mV]	Remarks
285221300	OptiLine 6	132	0 ... 2,000	Adjustable wavelengths

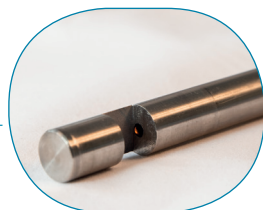
520 nm - green



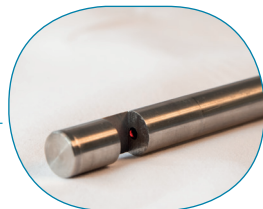
470 nm - blue



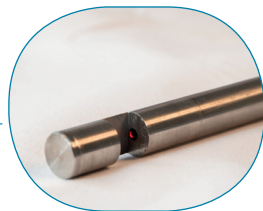
570 nm - yellow



625 nm - red



590/605 nm  
- orange



- ▲ 6 wavelengths over a wide range: 470, 520, 570, 590, 605 and 625
- ▲ The wavelengths are adjustable via TitroLine® 7XXX<sup>1)</sup>
- ▲ 100% resistant against solvents due to shaft made out of titanium. This makes a very wide range of applications possible
- ▲ Very compact. Fits into each standard titration clamp/-head.
- ▲ Easy to clean. Simply rinse with solvent and / or water

Benefits  
*OptiLine*

1) When using the analog BNC / DIN connector, the wavelengths are set with a software tool via PC.

# What can Xylem do for you?

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

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*presented by*

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