Optrode: Sensor from Metrohm for Photometric Titrations According to US and EP

**Optrode**, the new photometric sensor from Metrohm, has the following features: a wide measuring range (470, 502, 520, 574, 590, 610, 640 and 660 nm), 100% solvent resistance due to a glass shaft, and easy handling.

Whenever a potentiometric determination of the equivalence point is impossible, but a simple and fast execution of the analyses with the price advantage of titration (compared to methods like AAS, ICP-AES) is wished for, the Optrode is the first choice.

**Application examples:**

- photometric titrations according to USP and EP (non-aqueous)
- determination of the carboxyl end groups (non-aqueous)
- TAN/TBN according to ASTM D974 (non-aqueous)
- chloride in silicone products (non-aqueous)
- sulfate determination
- Fe, Al, Ca in cement
- water hardness (total hardness and Ca/Mg)
- chondroitin sulfate according to USP

Both new and existing Metrohm titration systems can be equipped with the Optrode. The power supply comes directly via the USB port of a Metrohm instrument (Titrino plus, Ti-Touch, Titrando). In case of older models without USB port power can also be supplied via an optional USB power adapter.

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