

# Verification & Calibration Accessory

DISTRIBUTOR

## FEATURES

- Non-intrusive verification & calibration
- Confirm photometric accuracy and linearity
- Ensure measurement confidence
- Cross validation with laboratory
- Standard 12.5 mm (10mm OPL) cuvette
- For use with Kemtrak DCP007 & SPECTRA photometers



The Kemtrak verification and calibration accessory offers a reliable way to confirm that the Kemtrak DCP007 photometer is functioning correctly and within acceptable parameters.

The non-intrusive cuvette size filter holder enables a traceable validation filter or liquid standard to be directly positioned in the light path without disrupting the process line. This eliminates the need to remove the measurement cell, thereby avoiding the handling of potentially hazardous materials or risking contamination of the process. The outcome is a highly reliable validation measurement, ensuring the instrument operates according to specifications and delivers accurate results.

The Kemtrak traceable validation accessory is designed to accommodate an absorbance filter or cuvette with a standard 12.5 mm square profile, identical to those used for validating offline devices like laboratory spectrophotometers. This commonality allows for the same liquid samples or a single set of standard filters to be used for validating both laboratory instruments and Kemtrak process photometers.

Internationally recognized quality systems such as GLP, ISO 9000, ISO/IEC Standard 17025 and US Pharmacopeia chapter <857> require that systems are certified using traceable reference materials. The US National Institute of Standards and Technology (NIST) and the United Kingdom National Physical Laboratory (NPL) have developed a range of robust and convenient traceable reference standards suitable for both laboratory spectrophotometers and Kemtrak process photometers.

The Kemtrak traceable verification & calibration accessory is available as an integrated part of a Kemtrak industrial measurement cell or as a stand alone version for installations with high process temperature, inconvenient location or where routine off-line and laboratory use of the photometer is a requirement.

For more information and for assistance selecting a suitable set of verification filters, please contact a Kemtrak sales representative.

## SPECIFICATIONS

### MEASUREMENT CELL

Compatible with all Kemtrak industrial inline measurement cells measuring absorption using a Kemtrak DCP007 series absorption photometer

Note: The verification and calibration accessory is an option that should be ordered with a measurement cell. A stand-alone version (not installed directly on a measurement cell) is also available

### CUVETTE HOLDER

For use with standard 12.5 mm square profile (10 mm OPL) cuvettes and validation filters

### FIBER OPTIC CONNECTION

SMA 905 type connector

### OPERATING CONDITIONS

Ambient & process temperatures from -60 °C to +130 °C (-76 °F to +266 °F). For higher temperature we recommend using the stand alone version.

### PROTECTION

IP66 / EN 60529

Note: Measurement cell and NIST traceable verification filters (shown in image) are sold separately.

Kemtrak is the leading manufacturer of high performance LED based industrial photometers and automation products for the process engineering industry.

Kemtrak provides tailor made solutions to meet the needs of a wide range of industries including chemical, petrochemical & offshore, biotech, pharmaceutical, food & beverage, pulp and paper and water & environment.

Kemtrak has trained representatives and support personnel globally and is certified according to ISO 9001:2015.