Traceable Validation & Calibration Accessory

Benefits:

- **Non-intrusive validation & calibration**
- **Confirm photometric accuracy and linearity**
- **Ensure measurement confidence**
- **Cross validation with laboratory**
- **Standard 12.5 mm cuvette**

The Kemtrak traceable validation & calibration accessory provides measurement confidence assurance from regular trouble free verification saving valuable time and resources.

The non-intrusive cuvette size filter holder allows a traceable validation filter or liquid calibration standard to be placed directly in the light path without interruption of the process line. This removes the need to take the photometer out of line and handle potentially hazardous materials or risk contamination of the process line. The result is a highly reliable validation measurement that provides confidence the instrument is working to specification and is providing a correct measurement.

The Kemtrak traceable validation accessory is designed to use an absorbance filter or cuvette with a standard 12.5 mm square profile, the same as used to validate offline devices such as laboratory spectrophotometers. This means that only one set of filters is required to validate both laboratory instruments and Kemtrak process photometers fitted with the validation accessory. As the exact same validation filters or liquid samples can be used, this flexibility assures traceability and drastically improves confidence in the online measurement.

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 laboratory spectrophotometers 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 Kemtrak traceable validation & 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 validation filters, please contact a Kemtrak sales representative.

Specifications

Measurement cell
Compatible with Kemtrak industrial in-line measurement cells measuring absorption using a Kemtrak DCP007 series absorption photometer
Note: The NIST accessory is an option that should be ordered with a measurement cell. A stand-alone version (not requiring a measurement cell) is also available

Cuvette holder
For use with standard 12.5 mm square profile (10 mm OPL) cuvettes or validation filters

Fibre Optic connection
SMA 905 type connector

Operating Temperature
Normal: –60 °C to +130 °C (-76 °F to +266 °F)
Higher temperature option: - 60 °C to 275 °C (-76 °F to +572 °F)

Protection
IP66 / EN 60529

Note: NIST traceable validation filters (as shown in image) are not included

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Kemtrak is a leading manufacturer of fiber optic measuring 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.

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