



DCP007NIR Industrial Photometer

The Kemtrak DCP007NIR is an advanced dual wavelength photometer designed to accurately measure the concentration of liquids and gasses with near-infrared (NIR) absorbance from 1000 to 2000 nm.

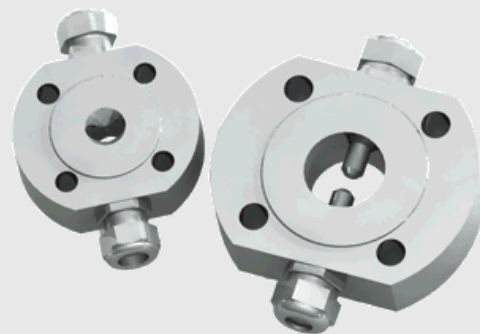
Examples of NIR measurements include water, ethanol, sodium hydroxide, ethylene glycol, acetic acid and continuous fuel identification.

Optic fibers are utilized to pipe the light from within the DCP007NIR enclosure to the sampling point and back. This is a major benefit as all the electricity is kept within the analyzer enclosure permitting safe operation in even the most hazardous of environments. An additional benefit is that the light source is "cold" and does not affect the sample.

Main features:

- 1000 - 2000 nm dual-wavelength detection*
- Long life semiconductor light source
- Simple & robust flowcell design using fibre optics - no electricity or heat near the sample
- Easy to operate - four push buttons, user-friendly menu and alphanumeric display
- Two alarms (high/low) and system fault monitoring
- PID Controller (pulse width modulated relay or 4-20 mA analogue output)
- Cleaning sequence control (relay output)
- Relays are protected with PTC resistor fuses (reset by disconnection of power supply)
- Analogue output (0-20/4-20 mA)
- Supply voltage 115/230 VAC
- IP65 protection
- Overall dimensions: 220 x 120 x 100 mm (LxWxD)

* wavelengths must be factory installed



DIN Flange (DN25 & DN50) sensor flanges with 10mm optical path length

Optic fibres can be ordered in lengths up to 50m and are well suited for harsh industrial environments. Our standard fibers have a silicone-coated steel jacketing and can withstand temperatures up to 200 °C. A range of flow-cell manifolds are also available dependent upon the process and application.

Please contact a Kemtrak sales representative for more information.

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