

# OPTIFLUX 4400

**Brand:** Krohne



## Short Description

Electromagnetic flowmeter for safety instrumented systems (SIS) and high-accuracy requirements Certified for safety applications up to SIL 2/3, with automated partial proof test capability for extended proof test intervals Best-in-class diagnostic test interval incl. fault response time of only 2 minutes SIL 2/3 up to DN600 / 24"; non-SIL up to DN2000 / 80" (larger on request) Pulse, frequency, status, 4...20 mA, HART®7

## Description

Automated partial proof testing capability for extended full proof test intervals Integrated conductivity measurement Enhanced diagnostic package: Compliant with NAMUR NE 107 Diagnostic test interval incl. fault response time of only 2 minutes: alert issued if meter runs out of spec Detects gas bubbles, solids, electrode corrosion and deposits on the electrodes, conductivity changes, an empty or partially filled pipe, a disturbed flow profile, external magnetic fields, etc. Redundant data storage Real-time clock for logging events User-friendly coloured display for status indication Ease of installation and device set-up: Optimised device menu: reduced menu items for quick commissioning Available with "virtual reference" option: cost-saving installation without grounding rings (in non-SIL applications) High measuring accuracy and long-term stability: measuring error of only  $\pm 0.2\%$  of measured value  $\pm 1$  mm/s Wide range of liner and electrode materials Approved for use in hazardous areas: ATEX, IECEEx db eb Field device verification of flowmeter with the OPTICHECK Master and OPTICHECK DTM service tools, e.g. for partial proof test documentation acc. to IEC 61508