

# BENKE Flash Point Process Analyzer FPA-4

Credible Solutions for the Oil and Gas Industry



## Flash Point Process Analyzer

To remain competitive, today's refiners must employ all optimization and product control techniques available. The use of online physical property analyzers is one of the key features to reach those objectives because they measure important quality properties in the process directly.

The flash point temperature is defined as the lowest temperature at which application of an ignition source causes the vapor of specimen of the sample to ignite under specified conditions of test.

- Flash point temperature continuously measured
- No coking of measuring cell
- Wide temperature range from 25 to 180°C
- ASTM correlation based on catalytic reaction
- Network and fieldbus communication



## Application

The well established Flash Point Process Analyzer FPA-4 remains the best solution to continuously measure the flash point of kerosene, diesel and other low sulphur refinery products. The improved concept offers an extended measuring range up to 180°C (356°F). The catalytic oxidation technique significantly reduces maintenance requirements by eliminating carbonization of the sample on the cell.

## Special Features

---

**Continuous measurement**

---

**Overflow protection**

---

**Multi-stream capability**

---

**Integrated failure diagnosis and self monitoring**

---

**No coking of measuring cell by catalytic reaction**

---

**Scheduled automatic regeneration**

---

**Available communication interfaces:**

- Modbus/RTU, Modbus/TCP (bidirectional)
  - Remote access via Ethernet (VDSL or FOC is)
- 

**Validation report for quality assurance**

---

**Freely programmable digital and analog inputs**

---

## Norms and Standards

---

**Correlates with:**

- ASTM D56
  - ASTM D93
  - DIN EN ISO 13736
  - DIN EN ISO 2719
  - IP 170
  - IP 34
  - DIN 51755
-

**Make your decision for a strong partner!**  
**Choose BARTEC also for:**

- Fast Loop Systems
- Sample Conditioning Systems
- Validation Systems
- Recovery Systems
- Chillers
- Air Conditioning Systems/HVAC
- Pre Commissioned Analyzer Shelters/Turn-Key Solutions



Representantes / Distribuidores Exclusivos

 Argentina

Tel: (+54 11) 5352 2500

Email: [info@dastecsrl.com.ar](mailto:info@dastecsrl.com.ar)

Web: [www.dastecsrl.com.ar](http://www.dastecsrl.com.ar)

 Uruguay [www.dastecsrl.com.uy](http://www.dastecsrl.com.uy)

 Bolivia [www.tecdas.com.bo](http://www.tecdas.com.bo)

**BARTEC BENKE GmbH**

Borsigstr. 10  
21465 Reinbek/Hamburg  
Germany

Tel.: +49 40 72703 0  
[sales-reinbek@bartec.com](mailto:sales-reinbek@bartec.com)

**[bartec.com](http://bartec.com)**