No Flow Point Analyzer Model P–840/P–840LT

Credible Solutions for the Oil and Gas Industry
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 no flow point (correlating to pour point) is the temperature where a product (as it is cooled) stops flowing.

The BARTEC specialists have many years of experience. They create system solutions that you can rely on: efficient and dependable for decades to come.

**APPLICATION**

Given today's highly competitive environment, oil refiners are demanding instrumentation that aids in the optimization of the refining process. Therefore, refineries require a reliable and accurate analysis system of the No Flow (Pour Point) temperature to meet the required specifications. This analysis will allow the operators to optimize the refining process and therefore lower production costs while improving product quality.
Special Features:
- Internal Cyro Cooler or Peltier Cooling
- High pressure detection cell
- No Sample Recovery
- Rapid Cycle Times
- Reliable pressure detection system

Norms and Standards:
Compliant with:
- ASTM D7346

Correlates with:
- ASTM D97

Make your decision for a strong partner!
Choose BARTEC GROUP also for:
- Fast Loop Systems
- Sample Conditioning Systems
- Validation Systems
- Recovery Systems
- Chillers
- Air Conditioning Systems/HVAC
- Pre Commissioned Analyzer Shelters/Turn-Key Solutions
EXPLOSION PROTECTION

Ex protection marking  
ATEX: Ex d II B T6 Gb  
CSA/CUS Class I Div 1 Group B, C + D

TECHNICAL DATA

Technology  
differential pressure sensing system

Method  
compliant with: ASTM D7346  
correlates with: ASTM D97

Measuring range  
-60 to 25°C (-76 to 77°F)

Repeatability  
0.25°C

Reproducibility  
compliant with: ASTM D7346  
correlates with: ASTM D97

Measuring cycle  
less than 20 min typical

Electrical data
Nominal voltage  
100 to 120 VAC, 1 phase; 50/60 Hz  
200 to 240 VAC, 1 phase; 50/60 Hz

Maximum power consumption  
600 W

Protection class  
IP 65

Ambient conditions
Ambient temperature  
-20 to 40°C (-4 to 104°F)

Ambient humidity  
up to 90 %

Sample
Quality  
clean and filtered, no free water

Consumption  
60 to 120 l/h

Pressure at inlet  
min of 2 bar (29 psi), up to 15 bar (217 psi)

Temperature at inlet  
-15°C to 85°C (5 to 185°F)

Utilities
Instrument air
Consumption  
If air cooled cyro then 25 CFM

Vortec Purge  
12 l/h

Pressure at inlet  
24 bar (350 psi)

Quality  
plant air

Coolant
Consumption  
if liquid cooled cyro then 240 l/h

(temp air cooled cyro unit / no coolant)

Temperature  
-10 to 40°C (14 to 104°F)

Pressure at inlet  
1 to 20 bar (14 to 290 psi)

(min 2 bar different)

Quality  
clean and filtered

Important notice  
P-840/P-840LT is subject to continuous product improvement, specifications are preliminary and may be subject to change without notice. If your technical data do not comply with existing data, please contact us for technical clarification.