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Credible Solutions for the Oil and Gas Industry

Salt In Crude Analyzer Model P-600 Analyzer

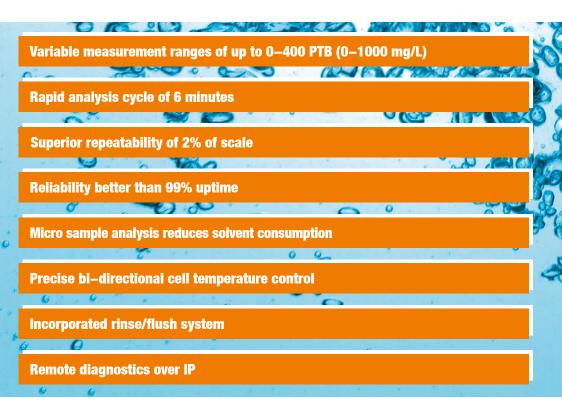
To remain competitive, today's refiners must employ all optimization and product control techniques available. The use of online physical property analyzers is one of the key features to reach those objectives because they measure important quality properties in the process directly.

Salt in crude is the amount of chloride based salts found in the sample in weight per volume.

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Your partner for innovative system solutions.

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

In certain areas of the world, crude oils with high level of salts exist. This crude oil must still be transported and refined and the high levels of salt pose problems if left untreated. De-Salting technology is well established but to be utilized effectively the need for quick and accurate measurements of the level of salt concentration is necessary. The immediate response of an on-line analyzer allows the operator to use De-Salters as efficiently as possible.

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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

TECHNICAL DATA

Technology Method

Measuring range Repeatability Reproducibility **Measuring cycle Measuring temperature**

Electrical data **Nominal voltage Maximum power** consumption **Protection class Ambient conditions Ambient temperature Ambient humidity**

Sample

Quality

Properties Consumption **Pressure at inlet Temperature at inlet**

Utilities

Instrument air Consumption **Pressure at inlet** Quality

Coolant

ATEX: Zone 1 II B + H2 T6 CSA/CUS Class I Div 1 Group B, C + D **CE** 0518

chemical mixing correlates with: ASTM D3230 0 to 400 PTB (0 to 1000 mg/L) 2 % of scale ±1% of scale 6 min typical programmable, typical 50°C (122°F)

110 or 220 VAC, 1 phase; 50/60 Hz

600 W IP 65

operation 5 to 40°C (41 to 104°F) up to 90 %

filtered 100 µm, without water

3.0 to 6.0 l/h 2 to 10 bar (29 to 145 psi) 10 to 60°C (50 to 140°F)

less than 60 l/h 4 to 8 bar (58 to 116 psi) clean dry, instrument air Not required

Signal outputs and inputs

Analog outputs	1 standard, 1 optional
Digital outputs	3 dry contacts programmable
Digital inputs	up to 4 dry contact inputs, (customer alarm, remote standby, stream switch, validation request)

Electrical data of signal outpu

outputs and inputs	
Analog outputs	up to 2 to 4-20 mA self powered and isolated, 1 is standard
Analog inputs	None required
Digital outputs	up to 3 dry contacts programmable, alarm critical, come read, alarm warning
Digital inputs	up to 4 dry contact inputs, (customer alarm, remote standby, stream switch, validation request)
User interfaces	
Display	7" color graphics
Keyboard	5 button magnetic,
	no hot work permit required
Connections	
Sample inlet	1/4" FNPT
Sample outlet	1/4" FNPT

1/4" FNPT

228 kg (500 lbs)

940 x 1803 x 762 mm

(37" x 71" x 30" in)

Sample outlet **Vent/Drain**

Weight and dimensions

Weight **Dimensions** (W x H x D)

Optional interfaces

Analog outputs MODBUS interface

optional, conductivity, cell temperature TCP/FP or Serial/RTU MODBUS output available

Important notice P-600 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.

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