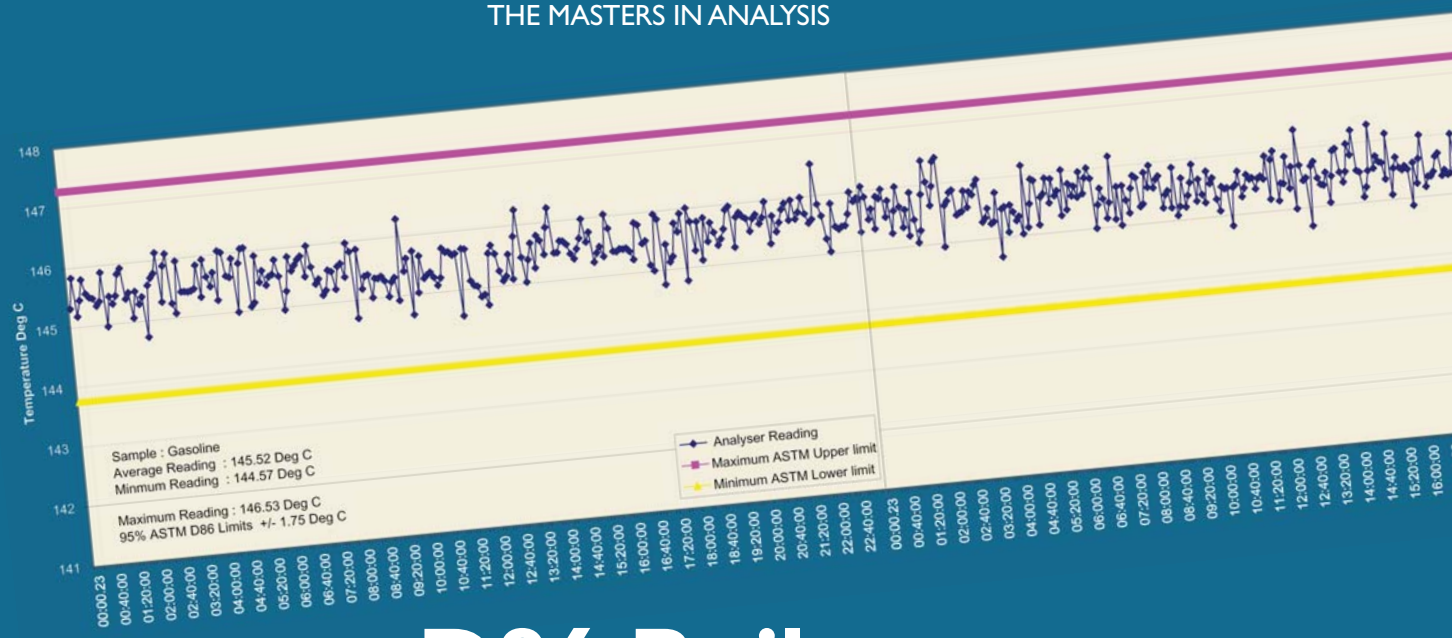
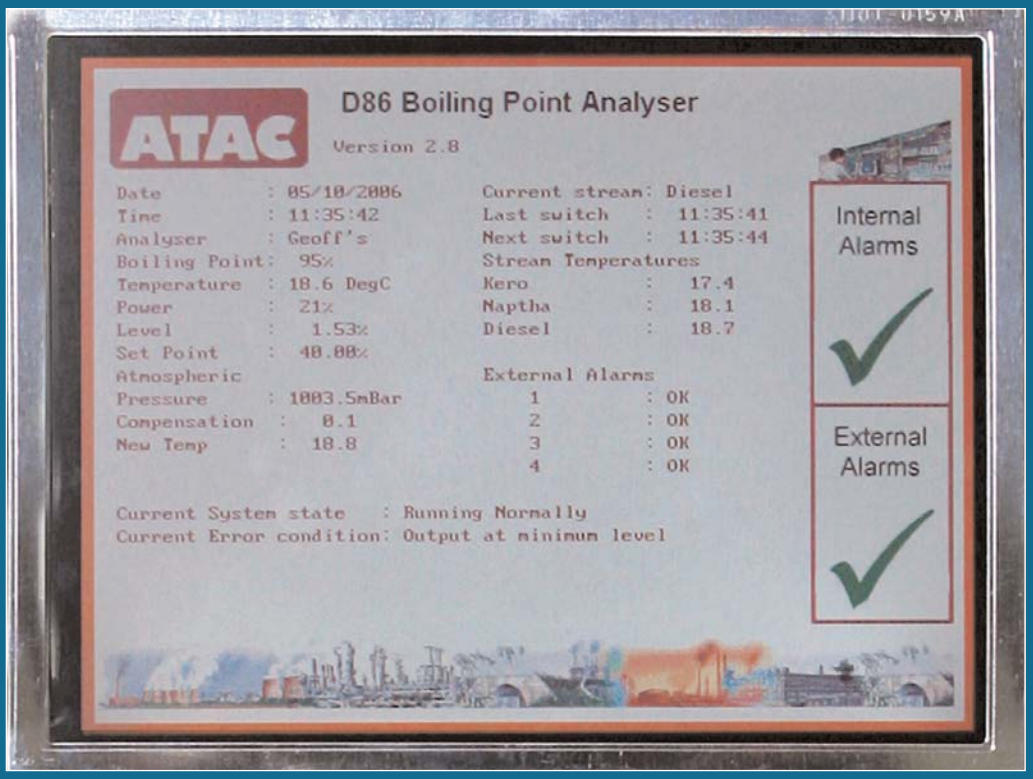
ATAC

THE MASTERS IN ANALYSIS

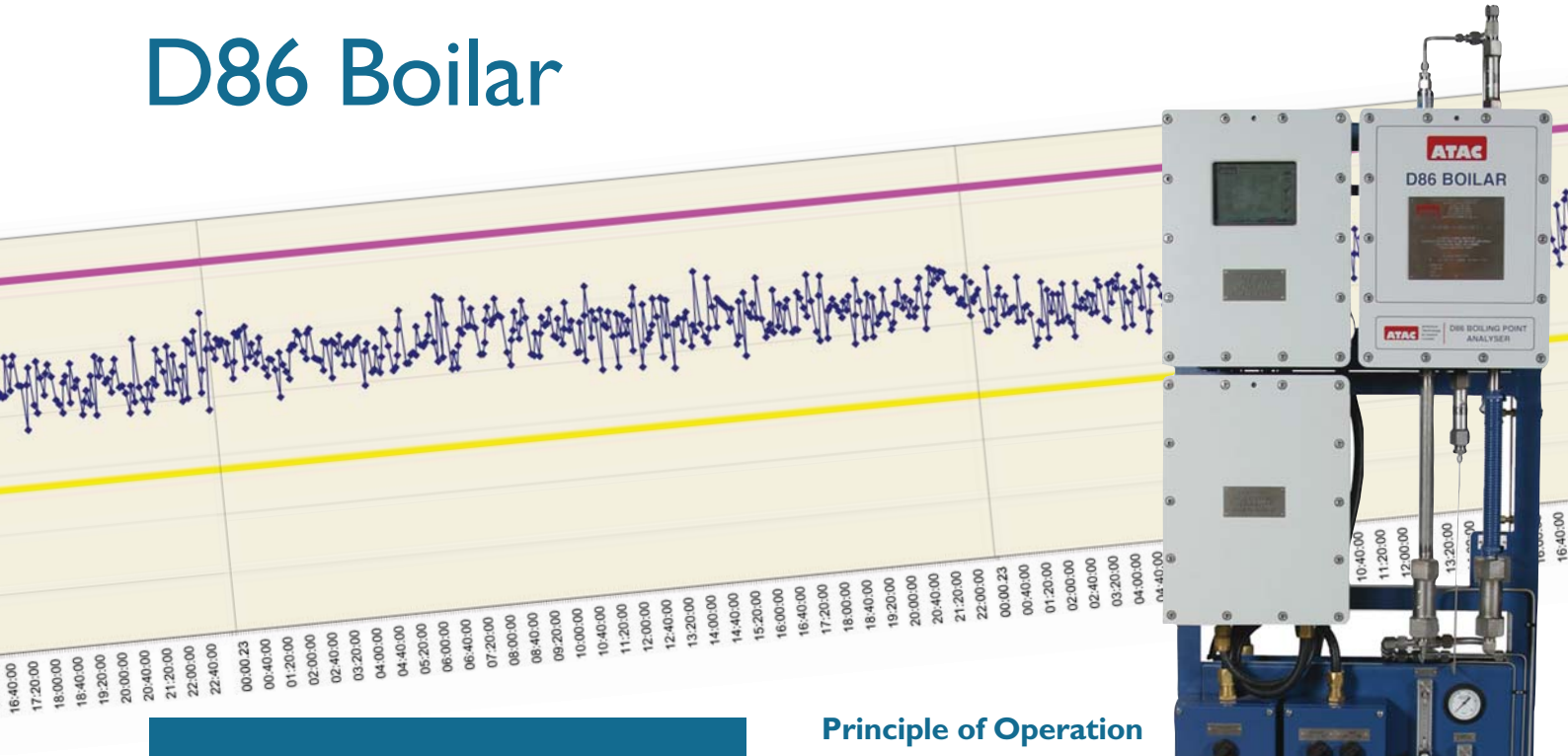


D86 Boilar

CONTINUOUS BOILING POINT ANALYSER



D86 Boilar



- High speed, continuous boiling point analysis
- Self diagnostics
- Correlates to ASTM D86 and ISO 3405-IP123 and surpasses test method repeatability
- Certified for hazardous areas
- Auto Calibration/Auto Validation
- Fast response
- Accurate, reliable ultrasonic level detection
- Ideal for closed loop control of process plant

Principle of Operation

A sample is metered into the vaporiser assembly at a constant flow. The sample then flows down a heater assembly maintained at a temperature dependant on the percentage of sample to be boiled off and the balance is collected in a measuring device. The sample is then discharged at a rate proportional to the sample input rate.

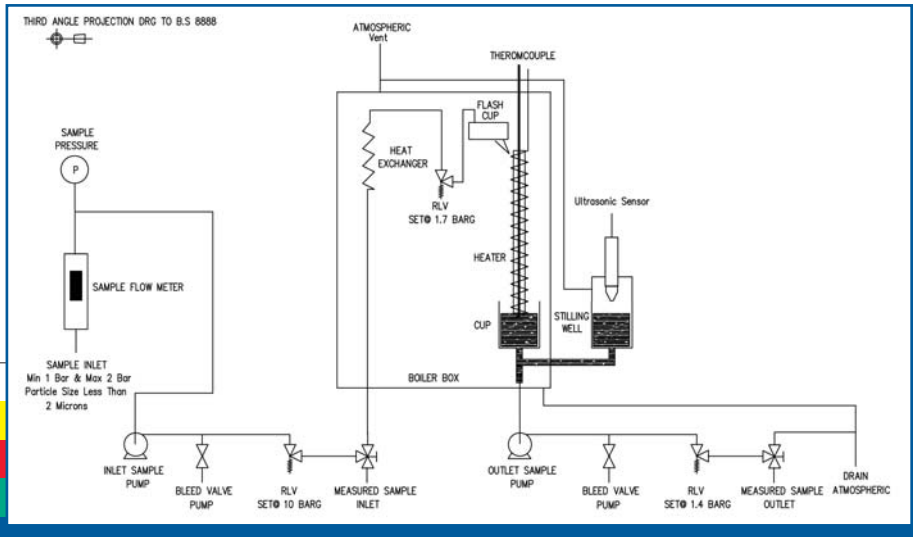
The ratio of the input pump to outlet pump will define the % of sample recovered.

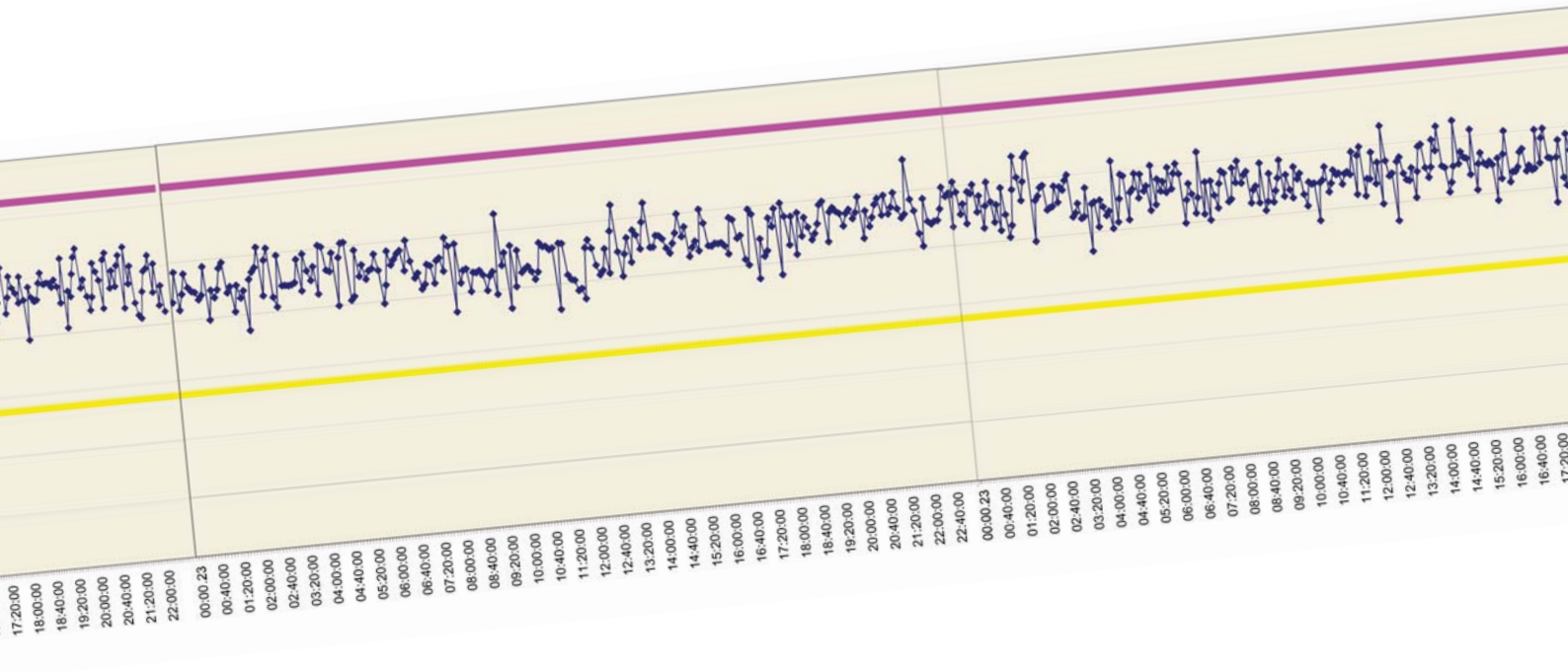
The temperature of the vaporiser at equilibrium is the percent recovered boiling point. This temperature is measured and transmitted.

The sample metering arrangements are infinitely variable between 5% and 95%. The percent recovered boiling point can range from 50 – 400°C.

The D86 BOILAR continuously measures the percent recovered boiling point temperatures of petroleum products from 5% – 95% in the temperature range 50 – 400°C.

Simple to operate and easy to maintain, the D86 BOILAR is the perfect choice for single point boiling point analysis.





Applications

High reliability, fast, continuous measurement and excellent repeatability make the D86 Boilar ideal for increasing yields and improving blending operations and controlling distillation columns to tight specifications in:

- Crude Distillation Units
- Blenders
- Towers
- Visbreakers
- Reformers

Options

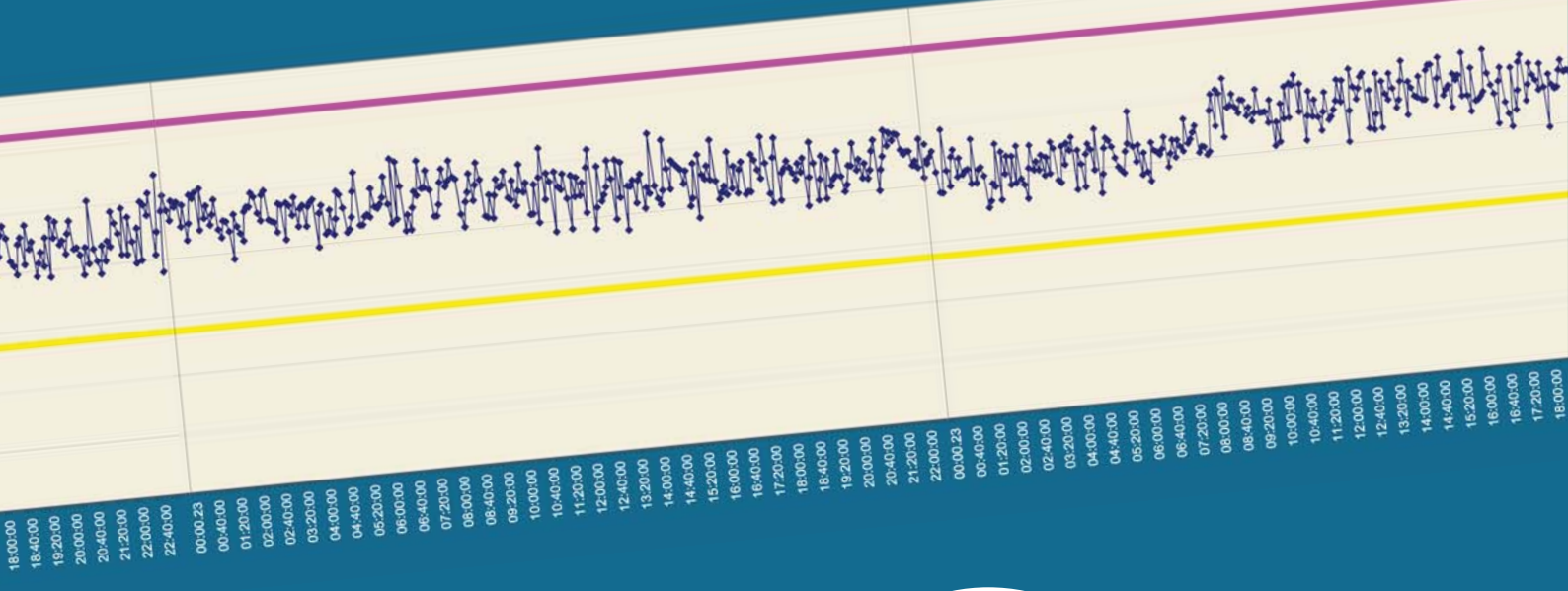
- Cetane Index
- Auto calibration and validation
- Stream switching (3 available)
- Up to 4 external alarm inputs
- Choice of communications available
- TCP/IP networking and modbus via RS485

D86 Boilar

Specification

Type of Analyser:	Continuous Single Point Distillation
Application:	Boiling Point Calculated Cetane Index (optional, requires density input)
Analyser Range:	Temperature 50 – 400°C for 5% – 95% distilled
Repeatability:	Surpasses ASTM/ISO test methods
Certification:	ATEX certified to EN60079-0, 60079-1, 60079-7 and 60079-11 II 2G EEx d IIB + H_2 T4 GOST, NEC, CSA available EMC EN1326 LDV EN6101-1
Response Time:	Approximately 2 minutes
Local Display:	Colour LCD Display
Communications:	4-20mA, RS232 Modbus RS485 TCP/IP optional
Sample inlet temperature:	65°C maximum (must be at least 20°C below the initial boiling point)
Sample pressure:	1 barg minimum, 7 barg maximum
Ambient temperature:	5 – 45°C
Power requirements:	100 to 120 or 200 to 240 Vac ± 10% 50/60Hz 1200 VA maximum

Does not always require an air conditioned shelter but protection from direct sun, wind and rain is recommended.



ATAC Hallikainen

- Viscometers • Pour Point
- Vapour Pressure
- Opacity • Colour

ATAC Hone

- Boiling Point
- Multi-Point Distillation
- Cloud Point • Freeze Point
- Flash Point • Sulphur in LPG

ATAC Sysco

- Sample Systems • Shelters
- Turnkey Analytical Projects
- Pyrolysis Gas Sampler
- Drain Valves • Chillers

ATAC Sigma

- Sample recovery systems
- Calorimeters • Moisture

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THE MASTERS IN ANALYSIS

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