



Application Note AN-PAN-1052

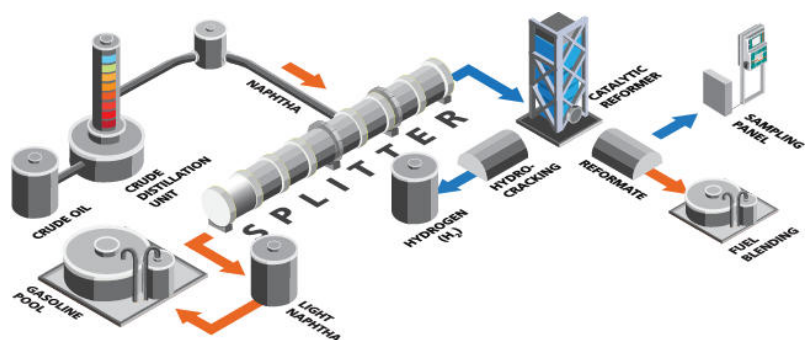
接触改質工程におけるオクタン価の オンラインプロセスモニタリング

Accurate analysis according to ASTM D2699 and ASTM D2700

IECEx(ON)()

(NIRS)ASTM

() $2(C_8H_{18})_n-(C_7H_{16})_{100n-0}$



1.

2(RON)(MON)RONMON (Catalytic Re-forming)(1)
(C7~C10)(Reformate)
RON()2:(IOM: Inferred Octane Models)

RON 100()RON92~98
(NIRS)(ASTM)(2) NIRS(CFR) ATEXMetrohm
Process Analytics NIRS XDS Process9

NIRSATEXClass 1 Div 1/2
30(RON)(MON)(PLC)(DCS)



3.

1.

	RON	MON
SECV (Accuracy)	0.27	0.15
	0.01	0.01
	90–107	80–100
ASTM	D2699	D2700
ASTM	± 0.9 (RON 103)	± 1.2 (MON 96)

Real-time inline predictions of jet fuel properties by NIRS

Inline monitoring of water content in naphtha fractions by NIRS

NIR

- (:) -
- (ROI) -



CONTACT

143-0006 6-1-1
null 9

metrohm.jp@metrohm.jp



NIRS XDS Process Analyzer – MicroBundle 9 Channels

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