

TAN and TBN Tester LB-10ABT



Overview :

TAN and TBN Tester LB-10ABT is a fully automatic titrator unit with dual determination mode of potentiometric and polarization current. Features 2-channel titration module and computer control for reliable and stable operation. Designed with advanced functions such as audit trail and multiple self-checking function, offers computer storage of data for seamless and smooth user experience.

Specifications :

mV measurement range	-2000.0 mV to 2000.0 mV
mV measurement resolution	0.1 mV
mV measurement accuracy	$0.1 \pm 0.03\%$ mV
pH measurement range	-20.00 to 20.00 pH
pH measurement resolution	0.001 pH
pH measurement accuracy	0.003 pH
Temperature measurement range	-5 to 120°C
Temperature measurement accuracy	$\pm 0.1^\circ\text{C}$
Titration module	2
Determination mode	Potentiometric and Polarization current
Burette	10 ml
Burette resolution	1/1500000
Burette rehydration time	16 sec
Electrode interface	mV, pH, reference electrode, PT100 temperature electrode
Operation mode	Computer
Power supply	220 V 50 Hz $\pm 10\%$
01 Box packaging dimension (WxDxH)	440x340x410 mm
02 Box packaging dimension (WxDxH)	310x210x170 mm
01 Box gross weight	13.55 kg
02 Box gross weight	0.55 kg

Features :

1. Fully automatic titrator unit for automatic TAN and TBN testing
2. Dual determination mode to perform various titration application
3. 2-channel titration module with computer-controlled operation
4. Multiple self-checking functions to avoid mis-operation
5. Built-in dosing unit to avoid harmful chemical leakage
6. Variety of electrodes to cater to various applications
7. Audit trail function with computer storage of data and methods
8. Display pH and mV of the sample, with temperature compensation
9. Designed as per ASTM D2896 D664 standard configuration

Applications :

TAN and TBN Tester is used for determination of acid and base number of petroleum samples, including crude oil, intermediate products, asphalt, liquefied petroleum gas and high-viscosity liquids in offshore laboratories, refineries and research and development establishments.



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