

assero TAN Acidity in Oil Meter

The assero TAN Total Acid Number titrator exclusively available from Energy Maintenance technologies (EMT) Ltd has been designed to offer maximum specifications and features whilst being priced at a very competitive level.

This titrator conforms to ASTM D664 for determination of acidic constituents in petroleum products, lubricants and transformer insulating oils.

Features:

- Simple to use for new users to TAN
- Fast and precise results (5 min max)
- Built in pre-programmed TAN method
- Measurement down to 0.001mg/g KOH acidity
- Results in mg KOH/g
- Compact and light - weighs less than 5 kg
- Data Logger for the last 50 titration results
- Transmission of results to printer or PC
- High precision 10ml syringe
- Resolution 1/40,000 of syringe vol (0.25ul).

Quality Control

ASSERO TAN SN:92901 V2.0
Monday, 02 November 2009 15:13
ANALIZE TAN > 0.1

Sample ID: 000001

Sample (g)	Volume ml	Result mg KOH/g	Time mm:ss
20.0000	0.990	0.24	04:38

Stirring 30%

Operator: Operator 1



Technical Specification - assero TAN

Non-volatile memory	3 titration programs depending on TAN content, Blank titration, Clock/calendar.
	Name of up to 4 operators
	Up to 50 results stored in Data Logger
Languages	English, Spanish, French, Italian
Display	Graphic backlit LCD, 128 x 64 dots
Keypad	Membrane, 7 keys, guaranteed up to 6 million strokes per key
	Material: PET with protective treatment
Syringe volume	Standard syringe 10 ml
Resolution	1/40000 of syringe volume (0.25ul)
Dispensing accuracy	≤ 0.2 % for volumes higher than 10 % of syringe
Dispensing reproducibility	± 0.1 % for volumes higher than 10 % of the syringe

Liquid contact materials	Syringe: borosilicate glass and PTFE
	Electrovalve: PTFE and KEL-F. Tubes: PTFE
Inputs and outputs	Differential measurement: 2 BNC connectors.
	For external keyboard, miniDIN connector.
	RS232C bidirectional for PC or printer, telephone connector.
	Stirrer control: On/Off and speed, RCA connector
Power supply	110 – 240 V AC, 50-60 Hz
Electrical safety	Meets EC, EN 61010
EMC	Meets EC, EN 50081-2 and EN 50082-2
Permitted temperatures	Operating: 10 – 40 °C. Storage: 10 – 50 °C ≤ 80 %, relative humidity, non condensing
Enclosure	ABS and enamalled steel
Physical parameters	Weight: 4 kg approx. Dimensions: 130 x 160 x 300mm