



***MERCAPTAN SULFUR TESTER***  
***LMST-A10***

# MERCAPTAN SULFUR TESTER LMST-A10

Mercaptan Sulfur Tester LMST-A10 determines mercaptan sulfur content present in petroleum products with help of the computer. This detection method is based on principle of Potentiometric titration method. It offers 0 to  $\pm 1999.5$  Mv potential measuring range and 3 to 100  $\mu\text{g/g}$  (ppm) Mercaptan sulfur measuring range. It ensures the accuracy of the results by titration curve smoothing and titration end position correction. It is used in laboratory, analysis room and petrochemical research departments of the ideal of the necessary device. Mercaptan Sulfur Tester detection method meets the international standard ASTM D3227.

## FEATURES

- ▷ The Sulfur detection method is based on principle of Potentiometric titration method
- ▷ Potential measuring range is from (0 to  $\pm 1999.5$ ) Mv
- ▷ Offers real-time display of the titration curve can print and store the titration curve
- ▷ The automatic degree is high and accurate results
- ▷ Automatic cleaning and constant liquid
- ▷ The device can do the all functions automatically
- ▷ Titration apparatus adopts imported key components (Metrohm)
- ▷ Designed with dual high impedance input, the electrode potential stability and reliability
- ▷ Stable and reliable performance, low noise
- ▷ Mercaptan Sulfur Tester detection method meets the international standard ASTM D3227

## APPLICATIONS

Mercaptan Sulfur Tester is used to automatically determine the end point, without indicator and suitable for a variety of petrochemical products in the light and dark oil basic nitrogen analysis. The titration results and automatic data storage, automatic printing, and can provide a complete analysis of titration data for use.

## SPECIFICATION

<b>Model</b>	<b>LMST-A10</b>
Potential measuring range	( 0 to $\pm 1999.5$ ) Mv
Intrinsic error	0.1% $\pm$ 0.5mV
Input impedance	$R_i \geq 1 \times 10^{12} \Omega$
Burette capacity	10mL
Burette accuracy	$\pm 0.1\%$ ( F•S)
Titrating time	(60 $\pm$ 20) s( F•S)
Mercaptan sulfur measuring range	( 3 to100) $\mu$ g/g( ppm)
Precision	$r = 0.00007 + 0.027X_1$ ( $X_1$ is the mean value of two test results., % (m/m)
Ambient temperature	10°C to 40°C
Relative humidity	$\leq 85\%$
Dimension	260 $\times$ 380 $\times$ 400 mm (PC is not included)
Power consumption	300W
Power supply	AC 220V $\pm$ 10V, 50Hz $\pm$ 0.5Hz
Net weight	8kg (PC is not included)