



# Authorised Gas Tester

COURSE CODE : ZMT-HSE-101

<b>COURSE OVERVIEW</b>	The Authorised Gas Tester Course is a comprehensive one-day program designed to equip participants with the essential knowledge, skills, and confidence to perform gas testing in confined spaces. This training is ideal for professionals working in environments such as manholes, shafts, chambers, excavations, duct systems, and tank cleaning or repair, ensuring workplace safety and compliance with industry regulations.
<b>TARGET AUDIENCE</b>	This course is tailored for: <ul style="list-style-type: none"> <li>• Line Managers</li> <li>• Supervisors</li> <li>• Manhole Watchers</li> <li>• Individuals responsible for gas testing in confined spaces</li> </ul>
<b>COURSE OBJECTIVES</b>	Participants will learn: <ul style="list-style-type: none"> <li>• Understand legislation related to confined space entry and gas testing</li> <li>• Recognize types of confined spaces and their associated hazards</li> <li>• Test and monitor the atmosphere for safety</li> <li>• Implement control measures to minimize or eliminate risks</li> <li>• Use and maintain breathing apparatus (BA) for safe operations</li> </ul>
<b>COURSE CONTENTS</b>	<ol style="list-style-type: none"> <li>1. Introduction to Gas Testing</li> <li>2. Definitions and Types of Confined Spaces</li> <li>3. Hazard Identification: <ul style="list-style-type: none"> <li>• Hydrogen Sulfide (H<sub>2</sub>S)</li> <li>• Oxygen Deficient Atmospheres</li> <li>• Oxygen Enriched Atmospheres</li> <li>• Carbon Monoxide (CO)</li> <li>• Flammable and Toxic Atmospheres</li> </ul> </li> <li>4. Atmosphere Testing and Monitoring</li> <li>5. Ventilation Techniques</li> <li>6. Respirators and Breathing Apparatus Usage</li> <li>7. Confined Space Entry Preparation</li> <li>8. Emergency Rescue Procedures</li> <li>9. Roles and Responsibilities: <ul style="list-style-type: none"> <li>• Operative Responsibilities</li> <li>• Standby/Rescue Personnel Responsibilities</li> </ul> </li> <li>10. Permit to Work (PTW) Requirements</li> <li>11. Practical Sessions: <ul style="list-style-type: none"> <li>• Atmosphere Testing</li> <li>• Donning and Doffing of Self-Contained Breathing Apparatus (SCBA)</li> </ul> </li> </ol>
<b>DELIVERY MODE</b>	The course utilizes a combination of, Facilitator-led presentations Group discussions Skill-building exercises Practical role-playing activities.
<b>DURATION</b>	1 Day



**ASSESSMENT  
CRITERIA**

Participants will undergo both practical and theoretical assessments to evaluate their understanding of gas testing requirements, confined space safety, and breathing apparatus usage.