

# *MIDAS Meter<sup>®</sup> Certified Training Course*



## Course Overview:

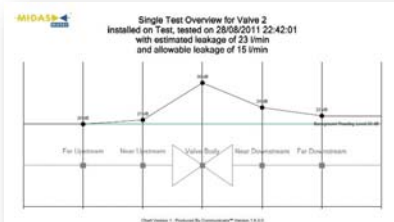
This course is a blended combination of both theoretical and practical based learning.

The theory elements of the course cover the acoustic emissions surveying technique, safe operation, survey methods and procedures as well as maintenance of the MIDAS Meter® and PDA equipment.

The hands-on element of the course gives delegates the opportunity to use the equipment in a safe classroom environment and gain practical experience of basic valve surveying procedures for leak detection, quantification, reporting, and monitoring activities including performance trending, by using the MIDAS Meter® on a small valve manifold. The recommended 2 day course also provides the opportunity for on-site practical application.

The course covers the generation of standardised survey results reports, using the supplied Communicator™ Software.

This course provides an excellent introduction for maintenance personnel who are responsible for the safe, environmentally friendly and efficient operation of process plant and specifically valves.



## Course Objective:

To provide delegates with the knowledge, understanding, capability and confidence to safely and effectively use MIDAS Meter® in operational process plants to detect, quantify and trend through-valve leakage (i.e. to complete valve surveys).  
To train the delegates in the correct process and procedures of uploading and downloading of all required data to / from MIDAS Meter®.

To assist delegates in understanding the survey results / outputs and thus gain maximum benefits from ownership of the MIDAS Meter® Kit (such as cost and risk reduction as well as efficiency maximisation).



## Who Should Attend?

Engineering (mechanical, instrumentation, process), and Technical personnel responsible for the operation, maintenance and troubleshooting activities, relating to leaking valves.

	Finding Poorly Performing Valves	Quantifying Leak Rates in Valves	Trending Leak Rate Growth Over Time
Maintenance Engineers	Leak Detection	Prioritise Budget Spend	No Unplanned Shutdowns
Reliability Engineers	Identify Problems Early	Shutdown Planning	Minimise Downtime
Asset Integrity Management Engineers	Risk Based Inspections	Proactive Maintenance	Predictive Modelling
Control Room Team	Troubleshooting	Loss Reduction	Profit Maximisation
HSEQ Team	Risk Management	Leak Reduction	Optimised Performance

## Duration

A 2 Day training course is recommended to provide the delegates with the opportunity for on-site, mentored surveying during the second day.\*

## Location

We recommend the course be delivered at your premises in order to allow for a practical session on site on the second day although the training can be carried out at Score Diagnostics in Peterhead or any other Score location.

## Places

A minimum of 4 delegates and a maximum of 6 delegates are required.

## Certification

Certificate of attendance is awarded to all delegates upon successful completion of the course and the practical and written assessments.



\*1 day theory focused training course is available on request

## Feedback from previous delegates:

*"Good mix of theory and practical"*  
- NAM (Nederlandse Aardolie Maatschappij) delegate

*"Well presented and knowledgeable"* - Shell delegate

*"Great knowledge shown by the instructor  
- nice and friendly"* - Centrica delegate

*"Very nice training and gaining good knowledge"* - Takreer delegate

**100% of delegates rated the course as  
good or excellent**



MIDAS Meter® Training Courses are only delivered by experienced and certified trainers who are full-time employees of Score Diagnostics Limited.

**Score Diagnostics Limited**  
Intelligent Valve Monitoring™

### Lesson Plan

Delivered By: Score Diagnostics Limited

Course: MIDAS Meter® Training Course	Delivered By: Score Diagnostics Limited
Company Name: TBA	Contact Tel No.:
Email address: Midas.enquiries@score-group.com	Venue: TBA
Time: TBA	Class Size:

Day and date: TBA

Subject: Training on Acoustic Emissions (AE) Valve Leak Detection, using MIDAS Meter®

Aims:	Assess:
Establishing Objectives	How to charge and handle equipment
Use and care of equipment	Know which parts are EA and which are not
Set up a valve test	Carry out test procedure correctly
Pre-load valve data to PDA	How to manage through PCA functions
Run equipment	How to enter data required to allow gas-fall criteria
Gather information	Correct Handset sends correct data to correct PCA
Transfer info to PDA	Where to take test readings
Interpret results	Understand results
	Correct info to correct suit in PDA programme
	Understand results
	Confer with technical authority on results

**Objectives:**  
At the end of the training each delegate should be able to:

Learning Objectives	Assess
What is Acoustic Monitoring	To identify if a valve is passing when closed
What is Leak Detection	Turning noise into a flow rate
What is Quantification	To recognise where a leak is taking place by decimal reading
Recognise a leak without identification	Identify pass/fail / safety video clips
Economic and Environmental advantages	To realise savings
Use of Handset	Understand the functions
Entering Test data	How to manage through PCA functions
Interpreting results	Which data required, correct test to correct valve / position
	To confidently analyse and download results

How different learning styles will be accommodated:  
A fully blended approach to training is followed, using digitally produced presentation materials, pre-written notes / handouts, practical demonstration of equipment by instructor, practical session with design equipment, final written and practical assessment of all candidates understanding and capability.

**Assessment of Progress / Attainment:**

Question and Answer	Y	Observation	Y	Group Work Lists (CH-PC)	Feedback
Assignment	<input checked="" type="checkbox"/>	Set Task	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mobile tests
Discussion	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>		

**Support Materials for Trainer and Attendees:**

Handouts	YES
Presentation	YES
Prep Manuals	YES



**Score Diagnostics Limited**  
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@MIDASDiagnostic

Contact us today for further information,  
or to request a quotation, at:-

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: [midas.enquiries@score-group.com](mailto:midas.enquiries@score-group.com)

[linkedin.com/company/score-group---valve-diagnostics](https://www.linkedin.com/company/score-group---valve-diagnostics)

