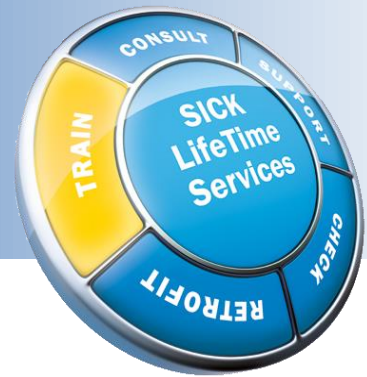


MCS100E ADVANCED MAINTENANCE TRAINING

SICK LifeTime Services Training Course



Description

This course is specifically designed to provide hands-on instruction to personnel who are responsible for troubleshooting, maintenance, and repair. Participants will learn the critical skills necessary for performing basic diagnostics functions, and understanding the mechanical function of the MCS100E device.

*This course does not cover the Sample Probe or Heated Lines.

Objectives

- MCS100E Specialist Menu Structure
- Basic Repair and Adjustment
 - Gas Cell
 - IR Source
 - Signal Adjustment
 - Light Barrier Signal
 - Flow Meter Adjustment
 - Reset PCB42
 - Connection of Fiber Optics
- IO Module Box
- HC8 Heat Control

Course Benefits

- Become familiar with the basic functions of the MCS100E specialist menu.
- This course provides hands-on guidance for basic repairs that can be completed on-site.

C:\WINDOWS\system32\cmd.exe

Graphics SN1625			Results		Span		Limits				decimale	
Curve	Name	Dimens			in	2	Max	low	high	1	2	
			46	E1 Detec								xxxxx.xx
			47	E1 cell								xxxxxx.x
			48	E1 FLT								xxxxx.xx
K05			49	PUMP			10					xxxxxx.x
K06	NO	mg/m3	50	TUBE			1500					xxxxxx.x
K07	NO2	mg/m3	51	FILTER			100					xxxxxx.x
K08	NOx	mg/m3	52	PROBE			1500					xxxxxx.x
K09	SO2	mg/m3	53	E			2100					xxxxxx.x
K10			54	E			10					xxxxx.xx
K11			55	E			10					xxxxx.xx
K12	CO2	Vo1%	56	E			20					xxxxx.xx
K13	H2O	Vo1%	57	R57			30					xxxxx.xx
K14			58	R58			10					xxxxx.xx
K15	Flow	l/h	59	R59			1000					xxxxxxxx
K16	O2	Vo1%	60	R60			25					xxxxx.xx
K17	AnaIn1		61	R61			10					xxxxx.xx
K18	AnaIn2		62	Flow curr			10					xxxxx.xx
K19	AnaIn3						10					xxxxx.xx

16.Nov10 16:46:32 Initialisation
 16.Nov10 16:46:32 Temperature Error
 |START/STOP |RESET |Zero adjust |Auto Cal. |Manua| Cal. |Span=standa

MCS100E ADVANCED MAINTENANCE TRAINING

SICK LifeTime Services Training Course



Target Audience

Technicians in measuring and control technology

Prerequisites

MCS100E Maintenance

Recommended Additional Course

None

Duration

8 Hours

Class Size

Maximum of 4

Where Offered

SICK Houston Training Center
Virtual not available

Format

Lecture, demonstration, and hands-on

Testing Available

No

SICK Provides These Materials

- MCS100E Operational Device
- MCS100E “Take Apart” Device
- Printed Training Books
- Electronic Operating Instructions

Customer Requirements

- Please dress appropriately (no shorts, tank tops, open toed shoes, etc... jeans are OK) we will be working, hands on, with the equipment during the training session.

Failure to have the customer required material and/or logistics available may lead to ineffective training and may result in the class not being able to achieve the described objectives and course benefits.

Part Number

1074875

SICK Training & Education

From product training, start-up assistance, and engineering and consulting services — SICK provides the necessary support before and after field installation through an established network of field personnel. Training, service and support programs from SICK help you reach your goals with our innovative, cost-effective solutions.

SICK offers several types of training programs to help you learn more about our innovative products and systems. Many of our training modules offer hands-on, real-world application examples and problem-solving experiences. Please visit our website at <http://www.sickusa.com> for more information.