

... Your Partner for Noise Monitoring

WHO WE ARE

3E is an International Engineering Company specialized in the fields of energy and environment, having an experience of more than 15 years.

WHAT WE DO

3E provides a tailored environmental monitoring consultancy service to both private and public sectors.

Our mission is to provide clients across Qatar and Gulf countries with essential air quality and noise measurement, dispersion modeling, and pollution control project management for all types of industry and construction sites, from planning through to completion, with a highly skilled professional team working together, using common sense and practical experience.

OUR COMMITMENT TO YOU

We are committed to use the highest quality instruments that give you the most accurate and reliable results.

AMONG OUR REFERENCES

- Metro Gold Line
- KHALIFA Stadium
- 3 Schools around Doha, Schools Package
- Al Khor Waste Sorting & Transfer Station
- QEZ-1 RAS ABU FONTAS Economic Zone
- AL KHOR Park
- Police College Complex at SALWA Road
- SOUQ AL ALI
- New Custom Training Center
- Muaither Healthcare Centre
- Al Wajbah Healthcare Centre
- Al MILAHA Logistic City
- Qatar Academy at Al Khor
- Qatar Academy at Al Wakra
- Qatar Foundation - Education City Nursery
- Doha Oasis mixed use development project, Qatar



AMONG OUR CUSTOMERS



OUR INSTRUMENTS FOR NOISE MONITORING

- ❖ **01dB SOLO SLM SOUND LEVEL METER**
- ✓ Solo SLM, the first instrument in 01dB's range of sound level meters, exhibits outstanding performances.
- ✓ Designed for multiple applications.
- ✓ Can be used to measure Leq equivalent continuous levels, Lp pressure levels or Lpk peak levels, as defined in the different acoustic regulations.
- ✓ For measurements performed in a quiet atmosphere, Solo SLM allows for measurements of noise levels as low as 30 dB.



TEYSEER INDUSTRIAL SUPPLIES AND SERVICES CO. W.L.L.
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Certificate of Calibration

Print Date: 16-Nov-2016

Cert No. 512200812590011

Customer:

ENERGY & ENVIRONMENT ENGINEERING-3E QATAR
 DOHA
 QATAR

Work Order No. : QA-10028660

Cal ID No. : 36476

Equipment ID : N/A

Equipment Type: SOUND LEVEL METER

Manufacturer : SVANTEK

Model No. : SVAN 977

Range / Size : 25 dB to 140 dB

Temp/RH : 20.4°C / 46 %

Purchase Order No. : CAS

Serial No. : 36476

Department : N/A

Performed By : ANOOP KUMAR SUDHA

Received Condition : IN TOLERANCE

Returned Condition : IN TOLERANCE

Calibration Date : 16-Nov-2016

Calibration Interval : 12 MONTHS

Calibration Due Date : 16-Nov-2017

Calibration Notes:

Lab Calibration.
 See attached calibration data.

Reference Instruments Used in Calibration

I.D.	Description.	Model No.	Serial No.	Manufacturer	Cal. Due Date	Traceability No.
AZ9205	SOUND CALIBRATOR	407766	H.180550	EXTECH INSTRUMENTS	Sep 3, 2017	25632-1

Procedures Used in Calibration

Procedure Name	Description
MPC-00165	Sound Level Meters, General, Sept-28-2016 rev03

Calibration Performed By:


ANOOP KUMAR SUDHA
 Calibration Technician




DHANA KADIRMANICKAM
 QA/QC Inspector

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with IAS Publication and NIST Technical Note 1297, 1994 Edition. Services rendered comply with ISO 17025:2005, ANSI/NCSL Z540-1, ANSI/NCSL Z540.3, MPC Quality Manual, MPC QSD and with customer purchase order instructions.

Calibration cycles and resulting due dates were submitted/approved by the customer. Any number of factors may cause an instrument to drift out of tolerance before the next scheduled calibration. Recalibration cycles should be based on frequency of use, environmental conditions and customer's established systematic accuracy. The information on this report, pertains only to the instrument identified.

All standards are traceable to SI through the National Institute of Standards and Technology (NIST) and/or recognized national or international standards laboratories. Services rendered include proper manufacturer's service instruction and are warranted for no less than thirty (30) days. This report may not be reproduced in part or in a whole without the prior written approval of the issuing MPC lab.



SOUND LEVEL METER

Procedure Reference:	MPC-00165	Order Number:	QA-10028660
Calibration ID Number:	36476	Serial Number:	36476
Asset Number:	N/A	Department:	N/A
Manufacturer:	SVANTEK	Model Number:	SVAN 977
Temperature:	20.4°C	Size/Range:	25 dB to 140 dB
Relative Humidity:	46.0%RH	Calibration Date:	November 16, 2016

All calculations and data transfers have been reviewed for accuracy and completeness

Measurement Accuracy

Function Tested	Nominal	UUT As Found	UUT As Left	Deviation	Tolerance	Result	Uncertainty
A Type	94.0dB	94.0dB	94.0dB	0.0dB	±1.1dB	PASS	±0.27dB
A Type	114.0dB	114.0dB	114.0dB	0.0dB	±1.1dB	PASS	±0.27dB
C Type	94.0dB	94.0dB	94.0dB	0.0dB	±1.1dB	PASS	±0.27dB
C Type	114.0dB	114.0dB	114.0dB	0.0dB	±1.1dB	PASS	±0.27dB