

**FUEL CELL SENSOR BASED BREATH ALCOHOL ANALYZER
[HAND HELD TYPE]**

Complied to RDSO SPEC NO: RDSO/2015/EL/SPEC/0119 (REV-2), Issued on 15-03-2018

Model-ALERT PLUS-15 {Available With or Without Wireless Printer }

**Operation with Input Entering of "CREW ID" No. with HQ, TRAIN No. & EXAMINER ID
by
Manual Push Button type Key Pad- Before the Breath Blow Test**



Breath Analyzer Model : ALERT PLUS-15 { With Spl. Attachment for Blow by Normal STRAW }



Breath Analyzer Model : ALERT PLUS-15 { With Wireless DMP Printer with Dual connectivity }

Specially Manufactured & Marketed by :

PREKSHA ENTERPRISES , 12- B, Netaji Subhash Road, 2nd Floor, Kolkata- 700001.

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FUEL CELL SENSOR BASED BREATH ALCOHOL ANALYZER

>>>> Complied to Latest RDSO Specn. No: RDSO/2015/EL/SPEC/0119 (REV-2)-Issued on 15.03.2018>>>

Operation with Input Entering of "CREW ID" No. with HQ , TRAIN No. & EXAMINER ID by Push Button type Key Pad - **Entering the ID detail "Before the Breath Blow Test"**

Constructed with latest and Advanced sophisticated technology, this New generation digital breathalyzer features automatic chamber and sensor warm-up and automatic flow detection or manually taking deep lung breath sample to provide efficient and accurate analysis of breath samples. **Having Special feature {Input Content} of latest RDSO spn. Like - Entering ID and other details of Crew member or Testee like CREW ID No. with HQ , EXAMINER- ID & TRAIN No. { In Alpha-Numeric format thru PUSH Button type Key Pad } - And Moreover-These Entering are featured - BEFORE THE BLOW TEST-** Making this as the Most Essential feature. **These Entered Details will be viewable in - - both in Display of Device on the Auto generated Test Result and Printed Test Result. Self Diagnostic test is performed and Calibration Until Date will be Displayed on each time before the Test are conducted .** The operations are very simple and works well in even extreme environments. The Result Data of the test results are clearly displayed on the Big size 2.4" [60 mm] TFT QVGA monitor, which can be Transferred into PC thru USB and also can be printed thru Wireless Printer. Testing with Passive Mode is also available

Features , Highlights and Basic Technical specifications :

Having Features AS PER LATEST RDSO SPEC NO: RDSO/2015/EL/SPEC/0119 (REV-2)-15.03.2018, mainly being:

>> With Special Attachment, so that the User can Blow his Breath by Normal STRAW

1. High quality Latest and efficient Fuel Cell Sensor based Tester with Min. 3 yrs. Life
 2. Display: Result display on 2.4" [60 mm screen] TFT colour.
 3. EASY OPERATION: Simple Push Button key {Alpha Numeric } Manual operation & Touch Screen Entering also.
 4. High Powered In-built Rechargeable Li-ion battery [7.4 V - 2000 mAh which enables More than 2000 Tests in Single Charge].
 5. Automatic chamber & Sensor warm-up and Self Diagnostic test is performed on each time at the Testing .
 6. Unit of Measurement : mg/100ml and . Mg/L % { Measuring Range : 0 mg/100 ml -550 mg/100ml }
 7. Calibration Validity Date displayed on Screen at the Start - Up { Like Calibrated up to 31/12/2018 }.
 8. Calibration Reminder available { like 10 Days left.. 9 Days left.. 8 Days left..... 1 Day left .
 9. The Alert - Visual and Beeping sound on receiving any Result above " 0 " will be provided as per latest Safety norms to Quarantine the Testee.
 10. Operation environment: -5°C to +55°C ; Humidity: 20 to 98 PC. Pressure: 600 to 1400hPA
 11. Test Result Data can be downloaded to Computer via USB cord.
 12. Memory for data log : More than 15,000 Tests Recorded Data character's
 13. Accuracy : Standard deviation: +/-5% of the measurement value.
 14. Real Time Clock { Test results displaying Date, Month, Year , Hour & Minute }.
 15. Auto flow monitoring. Flow detect automatically and give alert on the Breath Failure
 16. Compact sampling system: Low power consumption
 17. Printer option : For Analyzer with Printer cases :- Printer with -Wireless DMP-THERMAL having > Unique Multiple Printing Connectivity with multiple Analyzers - Means it can be connected with more than One Breath Analyzer.
 18. Low battery indication, CHARGE OVER Indication.
 19. Fast Test, Response and Resume Time: as Pre-Heating within 5-8 Seconds and Return to 0 within 7-10 Seconds
 20. Portable Size [1900 MM X 61 MM X 38 MM apx.] and Light Weight.
 21. Auto switch off, when not in use for saving power.
 22. The Print-out will be having the Auto generated Details of 1) Sr. No. of Test Record , 2) Test Result, 3) CREW ID, HQ Name, 4) TRAIN No., 5) EXAMINER's ID 6) Calibration until date and also has additional fields for Manual Entries such as Witness Name , and Signatures of Testee's & Examiner's
 23. Storage environment: Temp. = -20°C to +60°C
 24. Review of Recorded Test Results available. The Recorded data's can be transferred into PC thru USB
 25. No cross sensitivity.
 26. Packing : Protective case for instrument and its accessories like One Way with Sputum Trap Mouth Pieces, Charger, etc.
- @ [These features have not been mentioned in RDSO Specification yet.

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