

**FUEL CELL SENSOR BASED BREATH ALCOHOL ANALYZER
[FOR USE THRU BLOW VIA CMS KIOSK'S INLET FOR BLOW]**

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

CRIS Specification No. : 2007/CRIS/NDLS-HQ/CMS/Project//Rollout-II/0030/Pt-I ; Date:27-12-2018

Model – DIAMOND_CRIS {Available With or Without Wireless Printer }

INTEGRATED WITH CMS KIOSK's – Can be Operated at CRIS CMS KIOSK



Breath Alcohol Analyzer Model : DIAMOND_CRIS

Specially Manufactured & Marketed by :

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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>>

Model : **DIAMOND CRIS**

>>> This model BA already integrated with CRIS's KIOSK, for Breath Alcohol Testing, thus Breath tests can be done using CRIS CMS KIOSK and their Touch screen based Operating instructions displayed at Kiosk's Screen.

Further it can be used as Dual type as Hand held mode also. 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} Like - Entering ID of Crew member or Testee like **CREW ID No.** { In Numeric format thru Manual PUSH Button type Key Pad } -And Moreover-These Entering are provided- **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 Receipt.**Self Diagnostic test is performed each time 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 1.8" [45 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. **With Special Attachment, so that the User can Blow his Breath by Normal STRAW or even Without straw.**

Basic Features , Highlights and Basic Technical specifications :

Having main Features AS PER LATEST RDSO SPEC NO: RDSO/2015/EL/SPEC/0119 (REV-2)- 15-03-2018, mainly being:

- 1.High quality Latest and efficient Fuel Cell Sensor based Tester with Min. 3 yrs. Life
2. **Display: Result display on 1.8" [45 mm screen] TFT colour.**
3. **EASY OPERATION: Simple Push Button key Manual operation.@**
4. **High Powered In-built Rechargeable Li-ion battery** which enables More than 1000 Tests in Single Charge. In KIOSK , power is sourced from KIOSK.
5. Automatic chamber & Sensor warm-up and Self Diagnostic test is performed on each time at the Testing .
6. **Unit of Measurement :mg/100ml {Measuring Range : 0-550 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 +50°C**
11. **Test Result Data can be downloaded to Computer via USB cord.**
12. **Memory for data log :More than 10,000 Test 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 Dual connectivity -Wireless DMP-THERMAL and having RS232 port also with >>>Unique Multiple Printing Connectivity with multiple Analyzers - Means can be connected with more than One Breath Analyzer. @**
18. **Low battery indication and Auto power off** with adjustable timing function to best suit to the Supervisor.
19. **Fast Test, Response and Resume Time: Within 10 seconds**
20. **Portable and Light Weight , weighing only 210gramms.**
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 No. , 4) Date and Time of Test 6) Calibration until date** and also has additional fields for Manual Entries such As TRAIN No., EXAMINER ID, Witness Name , and Signatures of Testee's & Examiner's
23. **Storage environment: Temp. = -25°C to +70°C ; Humidity = 15% to 95% { at 40 dg. Cent}.**
24. **Review of Recorded Test Results available. The Recorded data's can be transferred into PC thru USB**
25. **Faster Test Result and faster Resume Timings.**
26. **Packing : Protective case for instrument and its accessories provided.**

This BA's Use by Kiosk will be as guided by CRIS CMS Technical guidelines after Integration with CRIS software and ready to use intermediate connector so that the blow can be done via Inlet of KIOSK.

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[10.01.2020]