

FUEL CELL SENSOR BASED BREATH ALCOHOL ANALYZER
[DUALMODE- HAND HELD TYPE & 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 – NARSIMHA_DUAL MODE { Available With or Without Wireless Printer }

INTEGRATED WITH CMS KIOSK's – Can be Operated at CMS KIOSK and can also be operated as HAND HELD type with Input Entering of "CREW ID" No. with HQ, TRAIN No. & EXAMINER ID
By Dual type thru-
Manual Push Button type Key Pad or Touch Key Pad - Before the Breath Blow Test



Breath Analyzer Model : **NARSIMHA-DUAL**

{ Dual usage :- With Spl. Attachment for Blow by Normal STRAW in Hand Held or used thru blow via KIOSK's Blow Inlet }



Breath Analyzer Model – NARSIMHA-with Wireless DMP Printer [With multiple connectivity with multiple Devices]

Specially Manufactured & Marketed by :

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Operation with Input Entering the ID details for of "CREW ID" No. with HQ , TRAIN No. & EXAMINER ID by Manual Push Button type Key Pad—in Hand held and Dual Role as used thru KIOSK
Model : **NARSIMHA-DUAL**

>>> This BA can be used as Integration with CRIS's KIOSK, for Breath Alcohol Testing, using CRIS CMS and their Touch screen based Operating instructions displayed at Kiosk's Screen.

Constructed with latest and Advanced sophisticated technology for use as Dual type. 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 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 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. **With Special Attachment, so that the User can Blow his Breath by Normal STRAW for Hand held type use.**

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:

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 Manual operation & Touch Screen Entering also. @
4. High Powered In-built Rechargeable Li-ion battery [7.4 V - 2200 mAh which enables More than 1000 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 { 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 15,000 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 210 grams.
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. = -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 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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