

## OCTATEST

### Laboratory CFR Automation - According ASTM D 2699 & 2700

#### 1. Introduction

OCTATEST O-A-871 is a complete individual, CFR automation unit, for Octane Number determination. Knock signal Acquisition, Cylinder height motor, fuels supply are fully automated. Temperatures can be displayed with OCTATEMP optional item.

#### 2. Some technical features

Fuels consumption test is conform & identical to Specification of ASTM D 2699 & 2700. Procedure B Dynamic Fuel Level is applied. Different tests options are available, ASTM, Fast & Routine modes. Then tests time can be 15 minutes up to 40 minutes depending of the test mode employed.

#### 3. Compatibility

OCTATEST can be connected to all CFR models after 1965, and to new XPC panel with ROFA New DM. Compatibility with all power supply is available.

#### 4. Easy installation

Control unit includes a PC running on one of the latest Window version. This Control unit cabinet is installed by the side of the CFR on a trolley. Cylinder Motor control is installed with simple easy wiring. Fuels supply system is fixed on CFR bowls arm, without any CFR modifications, Fuels supply is only using solenoid valves. Moving carburetor, to proceed to Procedure B Dynamic Fuel Level, is fixes also CFR bowls arm, without any CFR modifications. Four hours is the standard installation time. This time can be reduced if "Questionnaire" file is filled and sent back to ROFA before to proceed to installation.

#### 5. Start up

Startup is done immediately after installation by the technician in charge of the installation and control.

#### 6. Training

CFR client Operators will be trained during 2 days on the different aspects and on the routine use of OCTATEST Automation. No more than 4 operators should be present by session for efficiency.

#### 7. User friendly Hardware & Software

Hardware and Software have been designed to be user friendly and required minimum of instruction time. Software upgrades are generated according ASTM changes and users feedback. Please read Power Point "OCTATEST Short Instruction" to have details on the simplicity of use.

#### 8. Precision

OCTATEST generates results conform to ASTM D 2699 & 2700 specifications. CFR must be conforming to ASTM D 2699 & 2700 Standards.

#### 9. Operator Know how transmission

Laboratory Manager, with OCTATEST, has a good tool to Operator move or Operator shift rotation. Know-how transmission on Octane Number determination is no more a problem.

#### 10. Maintenance

Very low maintenance is required due to very few mobile parts. PC & electronic with PLC are used with standard configuration for easy local support.

#### 11. Online Support

During 6 months, and even after, online support and help is available from ROFA France after sales team.

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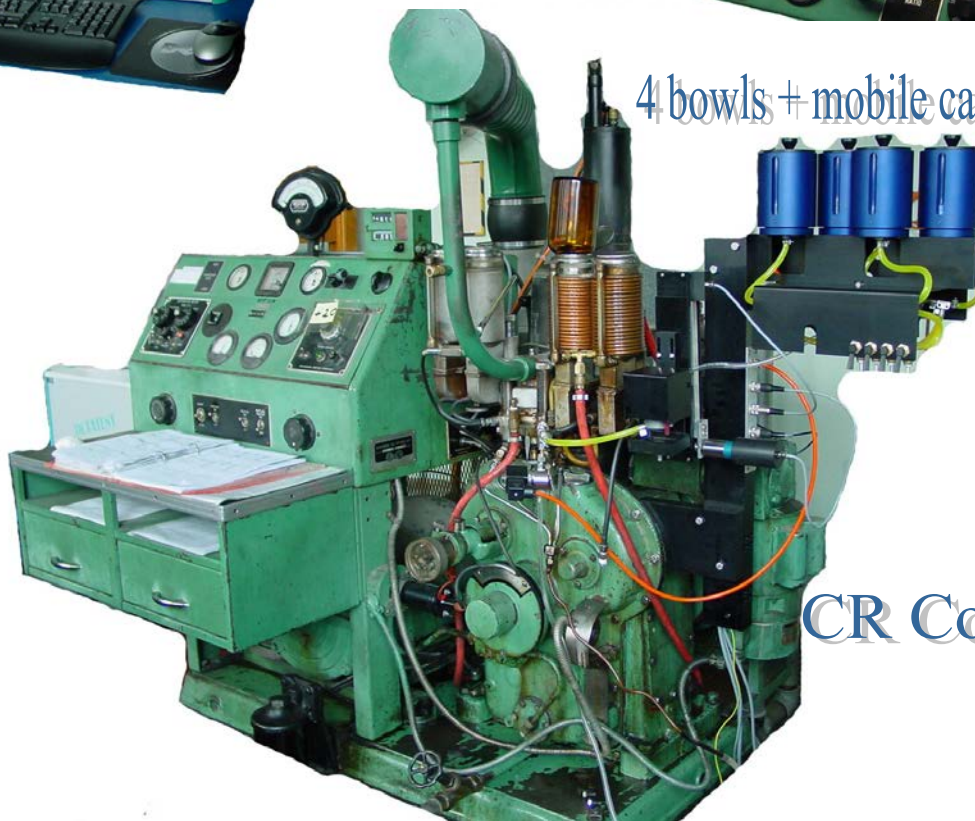
## CONTROL UNIT



## MULTITEMP UNIT



4 bowls + mobile carburetor



CR Control

## OCTATEST STANDARD INSTALLATION ON CFR ENGINE

OPTION



NEW DM