



***PORTABLE OCTANE NUMBER  
AND CETANE METER  
LOCT-A20***

## Portable Octane Number and Cetane Meter LOCT-A20

Portable Octane Number and Cetane Meter LOCT-A20 is a portable detector used for octane and cetane number measurement, based on theory of insulate magnetic permeability and electromagnetic induction. It offers 60 × 100 mm sensor and 15 hours operating time duration. The precise sensors can measure out parameters fluctuation of the tiny mediums, to get result of octane and cetane. The interface is use friendly with longer standby-cyclic charging battery. It has external cover with high strength, shock resistance and water, dust and moisture proof performance.

### FEATURES

- Measure both of gasoline octane value and diesel cetane value
- Designed with larger screen display, Rapid and precise measurement
- Sensor adopt full-sealed design with alloying metal
- High strength, shock resistance and water/dust/moisture proof performance
- Upper and lower limits pre-setting are available
- Auto-off function save energy and realize low power consumption
- Equipped with 4 reliable batteries for recycling charging
- Measure the oil octane and cetane precise value rapidly and store large amount of data

### APPLICATIONS

Portable Octane Number and Cetane Meter is used in Research Octane Number (RON) of unleaded gasoline, ethanol blended gasoline, leaded gasoline and Cetane Number for diesel fuels.

## SPECIFICATION

| <b>Model</b>                     | <b>LOCT-A20</b>              |
|----------------------------------|------------------------------|
| Measurement item                 | motor gasoline and diesel    |
| measurement unit of octane is ON | 40 to 120                    |
| Permissible error of octane      | $\pm 0.5$ max                |
| Fluctuate range of octane        | $\pm 0.2$ max                |
| measurement unit of cetane is CN | 20 to 100                    |
| Permissible error of cetane      | $\pm 1$ max                  |
| Fluctuate range of cetane        | $\pm 0.5$ max                |
| Measurement time                 | $\pm < 20$                   |
| Critical value for battery       | 2.5 V                        |
| Sensor                           | 60 ×100 mm                   |
| Temperature                      | -10°C to 40°C                |
| Humidity                         | 30 % to 81 %RH               |
| Barometric pressure              | 64 to 106kPa                 |
| Measurement of octane standard   | ASTM D2699-86, ASTM D2700-86 |
| Measurement of cetane standard   | ASTM D4737-03                |
| Operation duration               | 15 h                         |
| Display                          | LED screen, printable result |
| Power consumption                | 30ma                         |
| Weight                           | 5Kg (max)                    |