

# NPI 442

## OXIDATION STABILITY OF GASOLINE

(INDUCTION PERIOD METHOD - DRY BATH)



### STANDARDS

ASTM D 525, D 873, IP 40, IP 138, ISO 7536 and related methods.

### SCOPE

This test method covers the determination of the stability of gasoline in finished form only, under accelerated oxidation conditions. The induction period may be used as an indication of the tendency of motor gasoline to form gum in storage. It should be recognized, however, that its correlation with the formation of gum in storage may vary markedly under different storage conditions and with different gasolines.



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## SPECIFICATIONS

The NPI 442, dry bath version, offers graphic screen with friendly software. It can record the last 200 results. The temperature range goes from ambient to 120°C. The device covers the ASTM D525 standards. Vessels to be ordered separately.

### Key features

- 4 positions
- **Test Temperature Range: Ambient to 120°C**
- Computerized and fully automated test
- **Direct pressure measurement in the vessel**
- Quick coupling

### Software

- Possibility to monitor the test up to 96 hours
- Data Storage: 200 results
- Print test result and graph
- Residue method

### Accessories

- REF 40930 **NPC 210** Safety oxygen filling and decompression unit with protective screen



Ready to be connected to the ground  
Weight : 30 kg  
Dimension : 500 x 365 x 800mm

- REF 513513 Glass test container with cover
- REF 40903/1 Stainless steel test vessel with safety burst disc



## ORDERING INFORMATION

40925

### Scope of delivery:

NPI 442 is delivered with:

- 4 Pressure sensors (P/N 40914)

According to your application, accessories and options must be ordered separately.

### Site requirements:

- Power supply: AC 230 V, 50 Hz - 10 A
- Dimension: 570x 630x 640 mm
- Weight: 40 kg

Oxygen extra-dry 99,6% purity

*Reagents:* gums solvent (mixture of toluene and acetone 99%)

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