

Flash- & Fire-Point with Open Cup Cleveland - CL 1 > Replaced by 12-2730

DISCONTIUED - Spare Parts only!

ASTM D 92, ISO 2592, DIN 51376 (obs.), EN 22592 (obs.), FTM 791-1103, IP 36, JIS K2265, NF T60-118 (obs.), AASHTO T48 (obs.), BS 4689 (obs.), Superpave®

Product group(s): Bitumen, Flash Point

User group(s): Bitumen, Engine Oil, Hydraulic Fluid, Insulating Oil, Jet Lube, Lube Oil, Power Plant, Regulatory Authorities, Turbine Oil

Scope: This flash-point and fire-point test method measures the tendency of a test specimen to form a flammable mixture with air.

Suitable for viscous materials having a flash-point between +79°C (175°F) and +400°C (752°F) except fuel oils.

Used to define the hazards of flammable and combustible materials used in shipping and safety regulations.



Flash- and Fire-Point Cleveland Test Equipment

to be composed of:

- **Flash- & Fire-Point Tester - CL 1**
- **Pre-Regulating Valve**

Technical Data

<u>Temperature range:</u>	approx. +79 to +400 °C (+175 to +752 °F)
<u>Ignition:</u>	gas
<u>Dimensions:</u>	40 x 30 x 40 cm (W x D x H)
<u>Weight:</u>	10 kg

Main Unit

12-0730

CL 1 - Semi-Automatic Flash- & Fire-Point Tester Cleveland Method

Petroleum Products (except fuel oil)

ASTM D 92 - JIS K2265 - AASHTO T48 -FTM 791-1103
IP 36 (BS 4689) - ISO 2592 (EN 22 592, DIN 51 376,
NF T60-118)

Binder, Petroleum Products

Superpave® (AASHTO T48, ASTM D 92)

Consisting of:

stainless steel housing, electric heater, electronic controlled motor-driven arm, gas ignition device with control valve, hose connection, thermometer holder

Supplied with:

1 cup with handle
1 thermometer ASTM 11C/IP 28C

Power supply: 230 V, 50/60 Hz

Options & Accessories

12-0710 Draft Deflector - CLA

12-0629 Pre-Regulating Valve
for gas supply with hose adapter, suitable for all types of burning gases

50-9111 Reference Liquid - Flash-Point - Cleveland
ASTM D 92
Certified Value: +265 °C
Content: 250 ml - Lubricant

12-0970 Cup - CL-NIRO, with heat resistant handle
approx. 70 ml (with filling mark), standard size, stainless steel



Note! Flash-point results of stainless steel test inserts may deviate from standard results.

12-0962 Cup - CL-DRAIN, with drainage
and heat resistant handle, approx. 70 ml, brass



Note: Not suitable for automatic units (CLA4 & CLA5).

Spare Parts

12-0751 Thermometer ASTM 11C / IP 28C
Range: -6 to +400 : 2 °C
Length: 310 mm, Immersion: 25 mm, Ø 7 mm

12-0752 Thermometer ASTM 11C / IP 28C
Range: -6 to +400 : 2 °C (officially certified)

12-0753 Thermometer ASTM 11F / IP 28F
Range: +20 to +760 : 5 °F
Length: 310 mm, Immersion: 25 mm, Ø 7 mm

12-0754 Thermometer ASTM 11F / IP 28F
Range: +20 to +760 : 5 °F (officially certified)

12-0950 Standard Cup - CL, with handle
approx. 70 ml (with filling mark), made of brass

12-0768 Heating Plate 450 W, 220 V

12-2734 Ignition Device with control valve

Order Guideline

Minimum equipment: 1x 12-0730, 1x 12-0629
Spares (approx. 1 year): Thermometer
Additional requirements: Gas supply