



This instrument is a portable 3 1/2 digit, compact-sized digital thermometer designed to use external K-type thermocouple as temperature sensor. Temperature indication follows National Bureau of Standards and IEC584 temperature/voltage tables for K-type thermocouples. Two K-type thermocouples is supplied with the thermometer.



DT-612

DIGITAL THERMOMETER

- | User Selectable Temperature Scales
- | User Selectable Resolution
- | Uses K type Thermocouple
- | Dual Thermocouple input
- | Wide variety of interchangeable thermocouple probes
- | Max Hold / Data Hold
- | Differential Temperature (T1-T2)
- | SCAN Function (T1, T2, T1-T2, MAX. HOLD ...)
- | Backlit LCD Display

Electrical Specifications

Temperature Scale

Celsius (°C), Fahrenheit (°F) user-selectable

Measurement Range : -50°C to 1300°C, -58°F to 2000°F

Resolution : 1°C or 1°F, 0.1°C or 0.1°F

Accuracy : Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error

±2°C		-50°C to 0°C
±4°F		-58°F to 32°F
±(0.5% rdg+1°C)		0°C to 1000°C
±(0.8% rdg+1°C)		1000°C to 1300°C
±(0.5% rdg+2°F)		32°F to 2000°F

Temperature Coefficient : 0.1 times the applicable accuracy specification per °C from 0°C to 18°C and 28°C to 50°C (32°F to 64°F and 82°F to 122°F)

Input protection : 60V DC or 24V rms AC maximum input voltage on any combination of input pins

Reading Rate : 2.5 times per second

Input Connector : Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm, center to center)



Environmental Specifications

Ambient Operating Range : 0°C to 50°C (32°F to 122°F)

Storage Temperature : -20°C to 60°C (-4°F to 140°F)

Relative Humidity : 0% to 80% (0°C to 35°C) (32°F to 95°F)
0% to 70% (35°C to 50°C) (95°F to 122°F)



General Specifications

Display : 3 1/2 digit Backlit liquid crystal display (LCD) with maximum reading of 1999

Battery : Standard 9V battery (NEDA 1604, IEC 6F22)

Dimensions : 162mm (H)×76mm(W)×38.5mm(D)

Weight : 210g

Supplied Probe : Type "K" thermocouple bead probe (Teflon tape insulated).
Maximum insulation temperature 260°C (500°F)
Probe accuracy ±2.2°C or ±0.75% of reading (Whichever is greater)
from 0°C to 800°C

Accessories

Battery, Holster with stand, K type Bead Probe, Carrying Case, Instruction Manual.



CENKAY TEST ÖLÇÜ ALETLERİ A.Ş.

Şerifali Mah. Hendem Cad. No:21/B

Ümraniye, İstanbul, Türkiye

Tel: +90 216 313 73 50, Fax: +90 216 313 78 76

www.cenkaytest.com / info@cenkaytest.com