

Comark C20 Thermometers



Performance with Style

Stylish new case, waterproof to IP67 standards

Countdown timer

Exceptional battery life of up to 14000 hours

Permanent clock display

Choice of models for use with thermistor/type T thermocouple probes or type K thermocouple probes

°C or °F scales

Data hold function

Easy to use keypad and large LCD display

Auto switch-off

Built-in protective boot

Interactive cell-phone style menu for selection of

- Scales
- Clock adjustment
- Countdown timer
 - Can be stopped during countdown
 - Uses include monitoring how long probe is inserted to obtain accurate reading or monitoring cooking and cooling times
 - Bleeps to advise end of timed period



Selectable auto switch-off, with choice of time period before the instrument turns off

- 3 minutes
- 10 minutes
- 30 minutes

Comark is the leading manufacturer and supplier of a wide range of electronic measurement instruments for temperature, humidity, pressure and pH.

Click on www.comarkltd.com for more information

Comark C20 Thermometers



C20 Model Range

The two C20 models are: -

C22

- Use with wide range of Comark thermistor or type T thermocouple probes
- Automatic recognition of probe sensor type

C28 K Type

- For use with wide range of Comark type K thermocouple probes
- Measurement range covers food or industrial applications

C20 Model Planner

Model	C22	C28 K Type
Countdown Timer	Yes	Yes
Data Hold	Yes	Yes
Real Time Clock	Yes	Yes
Scales	°C/°F	°F/°C
Connector	Lumberg	Sub-miniature
Thermistor	Yes	No
Type T Thermocouple	Yes	No
Type K Thermocouple	No	Yes
Auto Off	Yes	Yes
IP67	Yes	Yes

C20 Thermometers with BioCote® Protection

BioCote® is a silver based anti-microbial agent that is impregnated into the instrument case during moulding. BioCote® effectively inhibits the function, growth and reproduction of a wide range of micro-organisms and its protection is increasingly accepted as part of HACCP, due diligence and health and safety procedures to reduce cross contamination. BioCote® protection lasts for the life of the instrument, because the agent is present throughout the case plastic and cannot rub off or be washed or leached out.

BioCote® active ingredients are registered with the US Environmental Protection Agency (EPA).

Although BioCote® inhibits the growth of micro-organisms on the instrument case, it does not protect individuals against such harmful organisms or remove the need to maintain the highest standards of personal and product hygiene and cleanliness.



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C20 SERIES TECHNICAL SPECIFICATIONS

Sensor Type	C22 C28 K Type	Thermistor/Type T thermocouple Thermocouple Type K
Measurement Range	C22 Thermistor Type T C28 K Type	-50°C to +150°C, -58°F to +302°F -200°C to +400°C, -328°F to +752°F -200°C to +600°C, -328°F to +1112°F
Scales		°C and °F
Displayed Resolution	> -100° ≤ -100°	0.1° 1°
System Accuracy at +23°C/+73°F between 0°C to +70°C, +32°F to +158°F	Thermistor Type T*	≤±0.3°C/0.6°F ±0.5°C/0.9°F <i>*Typical accuracy with a Comark probe</i>
Instrument Accuracy at +23°C/+73°F, full range	Type K	0.1% ± 0.2°C/0.4°F
Operating Temperature Range		-20°C to +50°C/-4°F to +122°F
Display		4 digit, 12.5mm LCD
Countdown Timer Interval		1 second to 24 hours
Environmental Protection		IP67 BS EN 60529 IEC 529
Battery		2 x Type I.E.C. LR6 Size AA
Battery Life (continuous)	Using Thermocouple Probes Using Thermistor Probes	Up to 7000 hours Up to 14000 hours
Dimensions	Length Width Depth	152mm/6 inches 58mm/2.3 inches 22/27mm/0.9/1.1 inches
Weight		178g/6.3 oz

WARRANTY

All Comark Instruments have a minimum one-year warranty unless otherwise stated. The warranty period for temperature probes is six months and all other probes and electrodes are unwarranted because the conditions of use are beyond our control.

The Comark warranty covers manufacturing defects and component failure and applies worldwide. The warranty does not affect your statutory rights.

In line with our policy of continuous development we reserve the right to alter any product specifications without notice.

All products are covered by our Quality Management System which is compliant with BS EN ISO 9001:2000 for the design, manufacture, supply, service, repair and recalibration of electronic measuring instruments and equipment.

Comark has an accredited UKAS calibration laboratory for temperature and humidity measurement and can offer full service and recalibration facilities.

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