

VWR Collection clinical thermometers



Great value for money thermometers for use in clinical settings
Replace mercury or red spirit thermometers
Most are traceable to NIST and DKD standards

Frio-Temp® precision digital thermometers

These precision thermometers are ideal for measuring the temperature of any solid or liquid inside freezers, refrigerators, incubators and ovens without contamination because the probe never comes in contact with the solid or liquid due to the glass bead filled bottle. Also available without bottles, these thermometers are ideal for replacing mercury or red spirit thermometers for extra safety and accuracy.

Each thermometer is tested and calibrated in our triple accredited ISO/IEC 17025:2005, A2LA laboratory and individually packaged with multi-language instructions.



Frio-Temp® digital thermometers, Value™

- Dual scale, digital display
- Available with 1 glass bead filled 30 ml plastic bottle or waterproof sensor with 1 m cable
- High/low temperature alert setting
- Max./min. memory
- Velcro® hook, built-in magnetic attachment CE and RoHS compliant
- Statement of traceability to NIST and DKD
- Each thermometer is tested and calibrated in a triple accredited ISO/IEC, 17025:2005, A2LA accredited laboratory



Technical specification	
Room range (°C)	-10 to +50
Fridge range (°C)	-50 to +70
Resolution (°C)	0,1
Accuracy (°C)	1
Dimensions (W x H) (mm)	88,9 x 44,5

Description	Cat No.
Frio-Temp® Value™ with 1 glass bead bottle and unique serial number	620-2148
Frio-Temp® Value™ with waterproof sensor	620-0919



Frio-Temp® precision digital thermometers, Ace™

- Available with glass bead filled 23 ml recyclable glass bottle and unique serial number or with removable stainless steel 125 mm probe with 1,5 m cable
- Max./min. temperature memory, data hold
- Velcro® hook and built-in magnetic attachment, flip-out stand
- CE mark, RoHS compliant and traceable to NIST and DKD
- Each thermometer is tested and calibrated in a triple accredited ISO/IEC, 17025:2005, A2LA accredited laboratory
- Individually packaged with multi-language instructions and statement of accuracy traceable to NIST and DKD
- 2 AAA batteries included



Technical specification	
Range (°C)	-50 to +200
Resolution (°C)	0,1
Accuracy (°C)	0,5 from -20 to +70; 1 from 70 to 120; 2 from -50 to -20 and 120 to 150; 4 from 150 to 200
Dimensions (W x H) (mm)	64 x 95

Frio-Temp® precision digital thermometers, Ace™

Description	Cat. No.
Frio-Temp® Ace™ digital thermometer with 1 glass bead bottle and unique serial number	620-0904
Frio-Temp® Ace™ hand held digital thermometer with removable sensor	620-0916



Frio-Temp® precision digital thermometers, Elite™

- Available with glass bead filled 23 ml recyclable glass bottle and unique serial number or with removable stainless steel 152 mm probe with 1,5 m cable
- Max./min. temperature memory and data hold
- Programmable high/low alarm
- Count down timer (99 h : 59 min) with elapsed time display
- Velcro® hook and built-in magnetic attachment, flip-out stand
- Dual temperature and time display
- Each thermometer is tested and calibrated in a triple accredited ISO/IEC, 17025:2005, A2LA accredited laboratory
- Individually packaged with multi-language instructions and statement of accuracy traceable to NIST and DKD
- 2 AAA batteries included



Technical specification	
Range (°C)	-50 to +300
Resolution (°C)	0,1
Accuracy (°C)	0,5 from -20 to +70; 1 from 70 to 120; 2 from -50 to -20 and 120 to 150; 4 from 150 to 200; 6 from 200 to 300
Dimensions (W x H) (mm)	64 x 95

Description	Cat No.
Frio-Temp® Elite™ digital thermometer with 1 glass bead bottle and serial number	620-1724
Frio-Temp® Elite™ digital thermometer with removable probe	620-0918

FRIO-Temp® precision digital thermometers, Apex™



- Available with 2 glass bead filled 23 ml recyclable glass bottles and unique serial number or 2 waterproof sensors to monitor fridge and freezer temperature simultaneously
- Max./min. temperature memory and data hold
- Light and buzzer alarm indication, programmable alarm limits and alarm duration counter
- Velcro® hook, built-in magnetic attachment, flip-out stand
- Dual digital display
- Low battery indicator
- Individually packaged with multi-language instructions and statement of accuracy traceable to NIST and DKD
- 2 AAA batteries included

Technical specification

Fridge range (°C)	0 to 8
Freezer range (°C)	-40 to +70
Resolution (°C)	0,1
Accuracy (°C)	1
Dimensions (W x H) (mm)	133 x 44

Description

Description	Cat No.
Frio-Temp® Apex™ with 2 bottles	620-2149
Frio-Temp® Apex™ with 2 waterproof sensors	620-2140

VWR Collection TRACEABLE® big digit memory thermometer

28,8 mm high digits - visible from up to 7 metres away!

- Dual display allows reading of ambient and probe temperatures simultaneously
- Min./max. temperature memory
- Waterproof/submersible external sensor with 3 m cable
- Equipped with a flip-out stand, a slot for wall mounting, and Velcro® to attach to any surface



Technical specification

External probe temperature range (°C)	-50 to +70
Internal sensor temperature range (°C)	-5,0 to +50
Resolution (°C)	0,1
Accuracy (°C)	±1
Dimensions (L x W x D) (mm)	70 x 114 x 19
Cat. No.	620-2042



VWR Collection TRACEABLE® refrigerator/freezer thermometers

- Sensor immersed in a buffer medium that minimises rapid, short temperature changes such as when refrigerator door is opened
- Triple display simultaneously shows max., min., and current probe temperatures plus room temperature
- Max./min. display shows highest and lowest readings achieved overnight, at the weekend, or for any time period
- Alarm is programmable in 1 °C increments
- Three metre micro cable allows refrigerator doors to close on it
- The probe is sealed in a miniature bottle (1,2 x 6,3 cm) filled with non-toxic glycol
- Individually serial numbered TRACEABLE® certificate from an ISO 17025 laboratory to NIST

The thermometers are supplied with one AAA alkaline battery, the TRACEABLE® certificate, a flip-open stand, bracket for wall mounting, and Velcro® and magnetic strips for attachment to any surface. The sensor and 3 metre cable perform accurately even when used underwater. High impact, chemical resistant ABS plastic case.

Description	Cat. No.
VWR Collection TRACEABLE® Plus digital thermometer	620-1582
VWR Collection TRACEABLE® Plus digital thermometer, same features as Cat. No. 620-1582, but supplied with 0,4 cm diameter and 2 cm long sensor	620-1583
VWR Collection TRACEABLE® Plus jumbo digital thermometer	620-1584
VWR Collection TRACEABLE® Plus jumbo digital thermometer, same features as Cat. No. 620-1584, but supplied with 0,4 cm diameter and 2 cm long sensor	620-1585

Cat. No.	620-1582 & 620-1583	620-1584 & 620-1585
Temperature range (°C)	-50 to +70	
Resolution (°C)	0,1	
Accuracy (°C)	±0,5	±1
Size (cm)	8,2 x 6,4 x 1,6	9,8 x 11 x 2,2
Weight (g)	113,4	



VWR Collection TRACEABLE® refrigerator/freezer thermometer

Temperature buffered bottle insulates sensor from rapid temperature changes

- Memory stores min./max. temperatures for any time period
- Alarm is programmable in 1 °C increments, sounds/flashes continuously when temperature rises above/falls below set points, and can be turned off manually. Visual and audible signals continue even if temperature returns to non-alarm range
- Three metre micro cable allows refrigerator doors to close on it
- Supplied with a stand, wall bracket and Velcro® to attach to any surface
- Supplied with traceable certificate

Technical specification	
Temperature range (°C)	-50 to +70
Resolution (°C)	0,1
Accuracy (°C)	±1
Dimensions (L x W x D) (mm)	70 x 108 x 19
Cat. No.	620-1661



VWR Collection TRACEABLE® radio signal remote humidity meter/thermometer

Temperature and RH alarm

Min. and max. memory display allows monitoring of conditions over short or long periods, including overnight or weekends. An alarm may be set in increments of 1% RH and 1°. The alarm sounds when the humidity or temperature exceeds the high and low set points

- Multi-purpose, wireless, monitor collects data from up to three remote tests simultaneously
- Radio signal transmits on a frequency of 433 MHz
- Range is 20 to 30 m, depending on the location or number of walls
- Unit size (L x W x D); 108 x 114 x 19 mm
- Supplied with remote sensor module size (L x W x D); 59 x 89 x 19 mm
- Supplied with traceable certificate
- Additional remote sensor may be set to channel 1, 2 or 3. Total of 3 modules may be used with main unit

Description	Cat. No.
VWR Collection traceable radio signal remote humidity meter/thermometer with remote sensor module	620-1674
Additional remote sensor module	620-1675

Technical specification	Temperature (°C)	Relative humidity (%)
Range	-20 to +60	25 to 90
Resolution	0,1	1
Accuracy	±1	±2 (mid range) ±4 (elsewhere)



VWR Collection TRACEABLE® radio signal remote thermometer

Monitor up to 3 different independent remotes plus the base unit simultaneously

- Min./max. temperature memory
- Alarms may be set in 1° increments. Alarms sound when the temperature rises above or falls below the two set points
- Remote module transmits on a radio frequency of 433 MHz, penetrating walls, with a range of 30 m
- Waterproof 3 m cable; probe (ø x L) 30 x 19 mm
- Supplied with a stand, wall bracket and Velcro® to attach to any surface
- Supplied with traceable certificate

Description	Cat. No.
Radio signal remote thermometer with 1 module	620-1669
Additional traceable remote module	620-1670
Traceable stainless steel probe – triple purpose (liquids, air/gas, semi-solids) with a 1,5 m cable	620-1671
Traceable external bottle probe in a mini bottle filled with a non-toxic glycol solution	620-1672

Technical specification	
Temperature range (°C)	-50 to +70
Resolution (°C)	0,1
Accuracy (°C)	±1
Dimensions (L x W x D) (mm)	108 x 114 x 16

The VWR International clinical range

We hope that you have found this brochure on clinical thermometers from the VWR Collection useful. In recent years VWR has worked on expanding its product portfolio for the clinical market.

When you choose VWR, you gain immediate access to a broad product range from the world's most respected manufacturers. Our commitment to quality, value for money, accuracy, and efficiency at every step of the procurement process supports your healthcare needs, from discovery to diagnosis. An extensive product range of equipment (e.g. freezers) and consumables (e.g. syringes, needles, containers...) are available including the high performance and great quality VWR Collection. The portfolio covers all disciplines including:

- Blood bank
- Clinical chemistry
- Cytology
- Haematology
- Histology
- Immunology
- Lab safety
- Microbiology
- Molecular diagnostics
- Phlebotomy
- Point of care
- Serology
- Urinalysis
- Women's health

Here are just some of our keynote suppliers and ranges for the clinical market

	Filters and robotic tips; microplates		Refrigerators
	Syringes, needles; disinfectant solutions; infusion range		Microscope slides
	Tissue culture; blood lancets		Chemicals (stains and dyes; media for microbiology; basic chemicals for histology); staining equipment (Mirastainer)
	Basic chemicals; stains and dyes		Tissue culture
	Incubators		Balances; water purification
	Liquid handling; microtitre plates		Gloves
	Swabs (Amies, Stuart)		Drug of abuse tests
	Tissue culture		Blood collection tubes; syringes and needles
	Liquid handling; cups; centrifuges		Microplate readers (formerly Labsystems); refrigerators (formerly Revco, Heraeus); laminar flow cabinets; ThermoCyclers
	Proteomics (filtration)		Autoclaves
	Urine beakers		Embedding cassettes
	Centrifuges		Wide range of general consumables and equipment
	Gloves; hand cleaning products		Digital thermometers and dataloggers
	Furniture		
	Microscopes		



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