

Why you should be using a Refrigerator Thermometer

ebro TMX Series - Digital Refrigerator Thermometer

Why do you need a refrigerator thermometer? The answer is quite simple - that is for you to have complete visibility on the exact temperature inside refrigerators and freezers, which is especially critical for pharmaceutical and healthcare products.

All refrigerators used for pharmaceuticals, chemicals, greenhouses, blood banks, food and beverage must be monitored. Depending on the PIC/S definition, a deep freeze temperature should be kept below -15 °C and refrigerators should be within +2 °C to +8 °C. Freezers and refrigerators are standard equipment for laboratories, microbiological research utilities, hospitals and pharmacies. Some modern refrigerators have built-in digital thermometers in the unit that makes it easier to set and monitor the desired temperatures. But it is also important to know that the temperatures shown on the refrigerator display are not always representative of the entire fridge compartment. In addition, when taking into consideration that the cooling capability can degrade with time, it is best to check the temperature with a secondary thermometer to ensure the unit is still functioning as expected and verify the accuracy of the built-in thermometer.

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Term	Definition
Temperature	Deep freeze: Below -15 °C
	In a refrigerator: +2 °C to +8 °C
	Cold or Cool: +8 °C to +15 °C
	Room Temperature: +15 °C to +25 °C
	Ambient: The required storage temperature of non refrigerated medicinal product; usually stated on the product as "store below 25 °C" or "store below 30 °C".

Pic/s guide to good distribution practice for medicinal products, pe 011-1 1 june 2014
<https://picscheme.org/docview/3450>

It is significantly important to use an appropriate refrigerator thermometer for fridges which are part of medical and healthcare processes that require precise temperature settings. Furthermore, we highly recommend to choose a thermometer with MAX/MIN display on it. When monitoring temperature sensible products, the minimum and maximum values must be recorded daily and documented manually. Last but not least, make sure to select a product with a calibration certificate.

Please take a look at ebro's TMX Digital Refrigerator Thermometer which offers some important features for you to consider when choosing your next refrigerator thermometer.

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- One channel or Two channels available
- Bottle insulates sensor option, prevent from rapid temperature changes when refrigerator door is opened
- Wide temperature range -50 °C ~ +70 °C
- Big display of current temperature and MAX/MIN value
- 3 year calibration certificate
- Settable high and low limit
- Double alarm: Acoustic and Optical
- Magnetic and pull-out stand attachment



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