

With Testo measuring instruments you comply with **legal requirements**

According to **regulation (EC) 37/2005**, temperature measuring instruments for deep-frozen **food** in transport, stocking and distribution must be in accordance with these norms:

Area	EN 12830	EN 13485	EN 13486
Requirements	<p>Temperature data logger requirements</p> <hr/> <p>Minimum measuring range from -25 °C up to +15 °C</p> <p>Storage of all measurement data for at least one year</p> <p>Protection types depending on application</p> <p>Requirements concerning external electric influences</p> <p>Establishment of error limits and resolution</p> <p>Determination of register intervals: between 5 and 60 minutes</p> <p>Conditions for application, stocking and transport</p>	<p>Thermometer requirements</p> <hr/> <p>Required measuring range for air temperature thermometers : -30 °C up to 15 °C</p> <p>Required measuring range for core temperature thermometers : -20 °C up to 30 °C</p> <p>Protection type depending on application (e.g. IP65 for core temperature thermometers)</p> <p>Establishment of error limits and resolution (e.g core temperature thermometers: maximum error limit: ± 0.5 °C; resolution: ≤ 0.1 °C)</p> <p>Conditions for application, stocking and transport</p>	<p>Testing regulations on thermometers and data loggers</p> <hr/> <p>Test procedure consists of a direct comparison of the measuring instrument with a working standard thermometer</p> <p>Ambient conditions must interfere with neither the reference instrument nor the instrument to be tested</p> <p>The maximum calibration inaccuracy for the working standard thermometer is ± 0.1 °C (class 0,5)</p> <p>Exact workflow description of the checking operation</p>
Suitable Testo measuring instruments	<p>Data loggers and testo Saveris radio probes in accordance with EN 12830</p> 	<p>Food thermometers in accordance with EN 13485</p> 	<p>testo 735 with laboratory probe as working standard thermometer</p> 