

# Lenze motors: Introduction of a new temperature sensor.

From the KTY to the PT1000:  
A summary of the most important information.

# Changeover to a standard that conforms with the market and is ready for the future.

For the reliable and precise operation of electric motors, the use of temperature sensors installed in the winding is indispensable. The sensor **monitors the motor in order to prevent it from overheating** and ensures optimum closed-loop control of the drive.

The KTY temperature sensor used by Lenze up to now has been **discontinued by the manufacturer**. In a manufacturer-spanning work group of ZVEI, Lenze has therefore qualified the PT1000 temperature sensor as a suitable successor. We are now successively changing over to this **successor, which can meet the requirements of the future**.

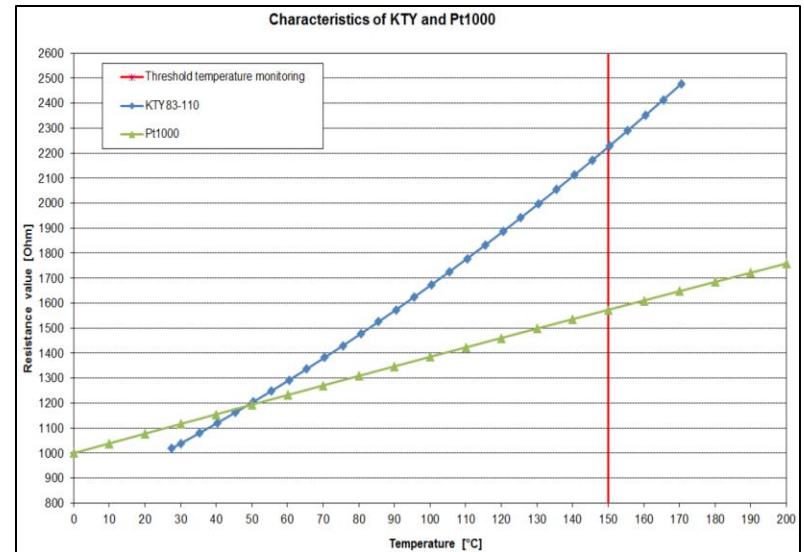
In the following, we provide you with some important technical information and an **idea** of the future availability of the two temperature sensors.

# Our new series of inverters are PT1000-ready.

The **characteristic of the PT1000** has been standardised to EN 60751.

With the help of the current firmware versions of our inverters\* and the current versions of our engineering tools, you can now use the motors with the new PT1000 temperature sensor **without the need for any additional work.**












For **tips on how to proceed** in the case of existing equipment (new motor with existing inverter or existing motor with new inverter), simple take a look round in our [Application Knowledge Base \(AKB\)](#).



* Inverter	PT1000-ready with firmware version
8400 TopLine	V17.xx
9400 HighLine	V14.xx
9400 ServoPLC	V08.xx
i700	V01.10 and V02.10

# Future availability ensured.

The incorporation of the **PT1000** in the individual motors series will take place successively:

Motors	PT1000 available from (unrestricted)	KTY available until (unrestricted)	KTY available until (by means of quantity contracts*)	KTY available until (repairs & replacement parts)
 m850 synchronous servo motor	Nov. 2017	The m850 is not available with the KTY.		
 MCS synchronous servo motor	Nov. 2017	April 2019	April 2021	Dec. 2027
 MCA asynchronous servo motor				
 MQA asynchronous servo motor	April 2018	April 2019	April 2021	Dec. 2027
 SDSGA asynchronous servo motor				
 m540 IE3 three-phase AC motor				
 MH IE2 three-phase AC motor	April 2018	April 2019	April 2021	Dec. 2027
 MD IE1 three-phase AC motor				
 MF FI three-phase AC motor				
 Servo-Synchronmotor MCM	April 2020**	April 2020	April 2021	Dec. 2027
 m550-P IE3 three-phase AC motor				

\* Quantity contracts must be made by April 2019

\*\* Earlier availability on request



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If you have any further questions on this topic, please get in touch with your contact person at [Lenze Sales](#).

www.  
Lenze.  
com

**Lenze SE**

Department: Product Management  
Address: Postfach 10 13 52 • D-31763 Hameln  
Site: Hans-Lenze-Straße 1 • D-31855 Aerzen  
Telephone: +49 5154 82-0  
Telefax: +49 5154 82-21 11  
E-mail: [Lenze@Lenze.de](mailto:Lenze@Lenze.de)

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