

Temperature Sensor Reference Calibration

Customer:

Tech. Center of Estonian Roads Ltd

Equipment type and serial no:

8002-112



Date of calibration:

23.01.2026

VERIFIED OBJECT

AIR Temperature sensor, type and serial no: **86231 – 286**

IR Temperature sensor, type and serial no: **86235 –107**

The result of the Reference Calibration(s) is that the following values (in mV) should be used in the respective “specs” window to secure maximum accuracy within the general specifications.

AIR Temperature Sensor			
Type: 86231 S/N: 86231-286			
Degrees C°	As found	New value	
0 (intercept)		2737	mV
100		3562	mV
<i>Slope</i>	9,24		<i>mV/C</i>
<i>Max. deviation</i>	0,4		<i>C°</i>

IR Temperature Sensor			
Type: 86235 S/N: 86235-107			
Degrees C°	As found	New value	
0 (intercept)		930	mV
100		1423	mV
<i>Slope</i>	4,92		<i>mV/C</i>
<i>Max. deviation</i>	0,3		<i>C°</i>

The objects herein were verified according to the procedure given in the protocol: “Reference Calibration of Dynatest Temperature Sensors” and complied with the acceptance criteria in 6.2.

Calibration was done using the Ametek ATC-155 B S/N: 507165-00203 reference calibration unit.

Date: **23.01.2026**

Performed by:

Claus Mosholt
Equipment Technician

Co-signed by:

Yohannes Fikadu
Service Technician