

WARRANTY

Date of purchase:

Model:

Seller:

Client:

The warranty period of this product is of 18 /eighteen/ months from the date of purchase. In case of a product defect or trouble, warranty services are performed after presenting this warranty card.

In order to keep this limited warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying this warranty. This warranty does not cover any damage due to accident, misuse, abuse, negligence, services provided by unauthorized persons, natural disasters, fire, flood, larceny.

Seller:
/signature, stamp/

CONTACTS:

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INSTRUCTION FOR USE

PORTABLE THERMO PROBE

TS15.02

TS20.02

TS25.02



MANUFACTURER: „Infotech-Group” ltd., Bulgaria

2013

INTRODUCTION

The **Portable Thermo Probe TS xx.02** is a portable, hand, electronic, device, designed for temperature measurements of grain. It could be an excellent low-cost solution for temperature monitoring in flat storage buildings as well as for control temperature measurements in grain depots of any kind.

DESCRIPTION

The **probe** is designed and manufactured for easy and efficient use. Three digital temperature sensors are installed in the probe's body (C): sensor 1 - close to the point (D), sensor 2 - in the middle, sensor 3 - at a 14cm distance under the handle (B). The values, measured by each sensor are shown consecutive at the display for a period of 4 seconds.

The corpus (A), the handle (B) and the point (D) are made from aluminum and the body (C) -from inox stainless steel. The electronics is reliably protected from unsuitable influences (moisture, water, dust, insects ect.).

TECHNICAL CHARACTERISTICS

TS xx.02		
1.	Temperature range	-40°C + +125°C
2.	Accuracy	±0.5 °C ± ±1°C
3.	Operating / Full length	
	TS 15.02	1.5m / 1.65m;
	TS 20.02	2m / 2.15m;
	TS 25.02	2.5m / 2.65m
4.	Weight	Approx. 1.7 kg
5.	Battery	ER14250, size 1/2AA, 3.6Volts
6.	Sensors	3 digital temperature sensors
7.	Display	LCD

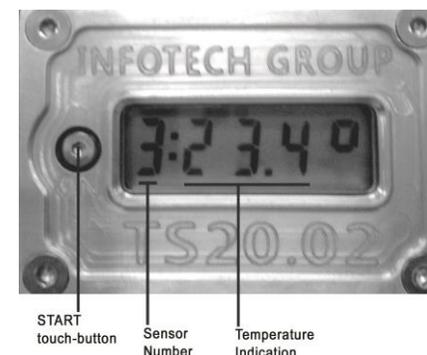
CAUTION!

1. Keep the probe from mechanical hit and pressure.
2. Do not live the thermo probe stuck in a moving grain mound.
/during: storage filling up, raking, storage depletion/
3. The device is made from 100% recycling materials.
Throw the device only on the spots appointed.

MEASUREMENTS

! The thermo probe tempers constantly, whether it is turned ON or OFF!

1. Stick the body of the probe into the grain mound. Hold the handle with one hand and support the body with the other until sticking.
2. Wait for 3-5 minutes.
3. Put your finger over the button „ON” and hold it until a sign „HELLO” appears on the display screen.
4. Wait until a sign „°” appears after the digits.
5. Now the thermo probe is tempered with an accuracy of ±1°C.
6. The thermo probe turns off automatically after 90sec. If you want to see the measurements once again, repeat step 3.



	Display	Meaning	Notes
1.	HELLO	Turned on	
2.	1:27.2	Process of tempering	The measurement period depends on the difference between the temperatures of the environment (where the probe was kept) and the grain, as well as on the grain kind.
3.	1:27.2_	Process of measuring	Depending on the changes in temperature /rising or lowering/ the dash after the measurement is moving respectively upwards or downwards.
4.	1:27.2°	Accurate measurement	When the sign ” ° ” appears, it means that the measurement is a real one with an accuracy of ± 1°C – temperature changes with less than 0.8°C per minute.
5.	1:99.9°	Maximum visible indication +99.9°C;	If the temperature is higher than the maximal visible indication, 3 dashes will blink after the digits.
6.	1:-9.9°	Minimal visible indication -9.9°C	If the temperature is lower than the minimal visible indication, 3 dashes will blink after the digits.

CHANGE OF BATTERY

1. Remove the 4 screws from the corpus and open the cover.
2. Carefully remove the old battery from the pocket and put the new one in the same position.
3. Put the cover back and drive the 4 screws.