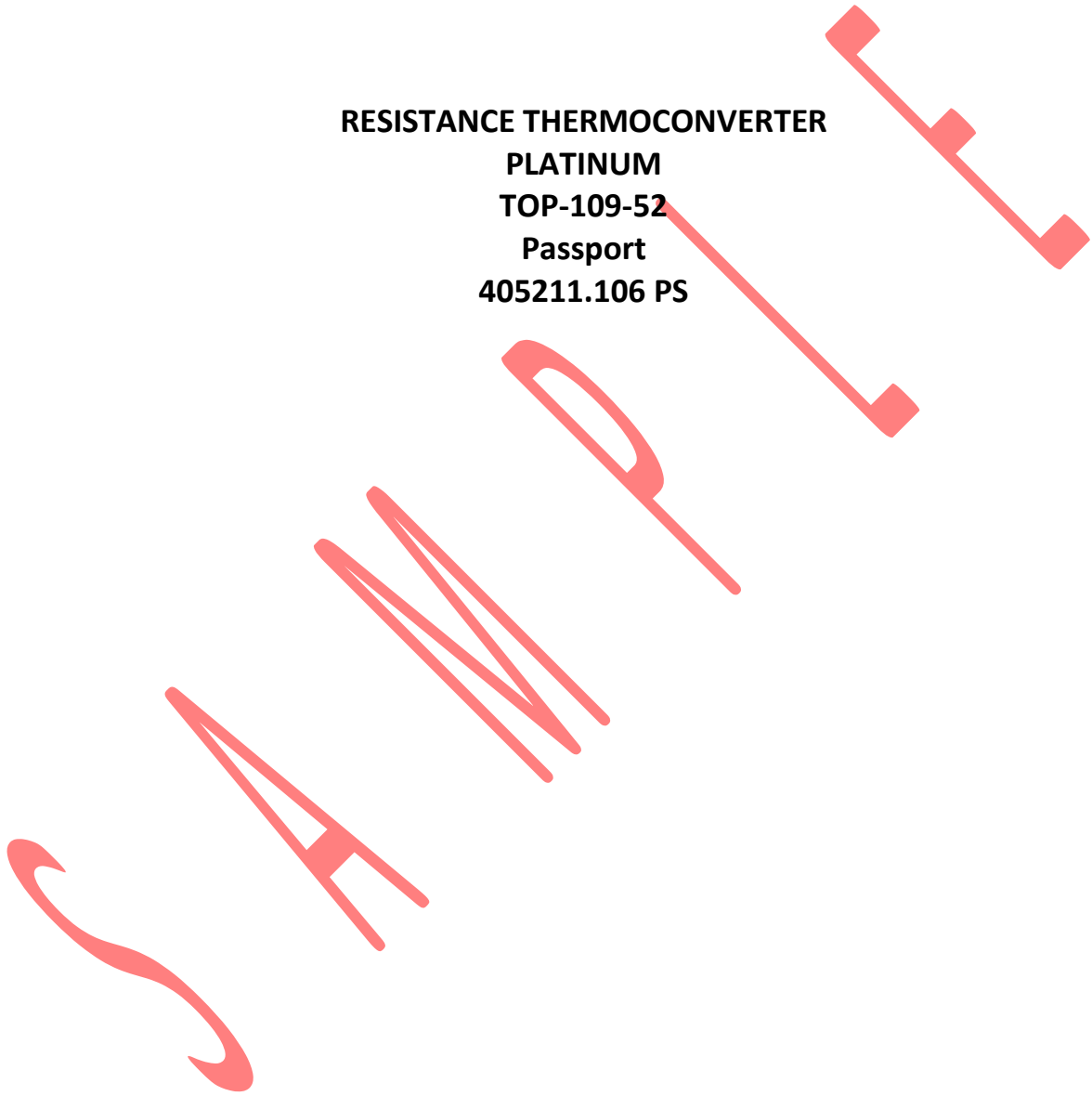


LLC "Termomir"

RESISTANCE THERMOCONVERTER
PLATINUM
TOP-109-52
Passport
405211.106 PS



Lviv 2024

TOP-109-52 platinum resistance temperature transducers are designed to convert the measured temperature into the value of electrical resistance.

1. MAIN TECHNICAL CHARACTERISTICS

1.1. Symbol of the converter	TOP-109-52
1.2. Symbol of the nominal static characteristic	Pt1000
1.3. Nominal resistance value at 0°C, Ohm	1000
1.4. Nominal value W_{100}	1.385
1.5. Range of measured temperatures, °C	from minus 50 to 150 (briefly up to 160)
1.6. Tolerance class	B
1.7. Value of permissible deviation, °C	$\pm(0,3+0,005 T)$
1.8. Connection diagram with a sensitive element	2 – leading
1.9. Length of the immersion part, mm	160 nominal (adjustable from 70 to 170) *-(or other, according to customer requirements)
1.10. Diameter:	
- thermoconverter, mm	7,5
- nozzles, mm	16*-(or other, according to customer requirements)
1.11. Thermal inertia index:	
- liquid, no more, with	10
- air, no more, min.	10
1.12. Degree of protection	IP67
1.13. Connection thread size	M27x2*-(or other, according to customer requirements)
1.14. Material of the immersion part	steel 12x18N10T(AISI 321, EN 1.4541) with aluminum (or brass, steel) nozzle
1.15. Length of connecting cable, m	2,5, 4, 6,10,16 *-(- or other, according to customer requirements)
1.16. Material of the outer part of the cable	silicon
1.17. Average service life, not less than, years	10

2. COMPLETENESS

Mark	Name	Number
405211.106	Thermo-converter TOP-109-52	1 piece
405211.106 PS	Passport	1 copy

3. CERTIFICATE OF ACCEPTANCE

The platinum resistance thermometer TOP-109-52 No. _____ complies with DSTU EN IEC 60751:2022 and this passport and is suitable for operation.

Date of manufacture _____ The reception was held by _____ m.p.

4. MANUFACTURER'S WARRANTIES

4.1. The manufacturer guarantees that the thermal converter complies with the requirements of DSTU EN IEC 60751:2022 and this passport, provided that the consumer complies with the rules of transportation, storage, installation and operation.

4.2. The warranty period is 24 months from the moment the thermal converter is put into operation.

4.3. The warranty period is 6 months from the date of manufacture.

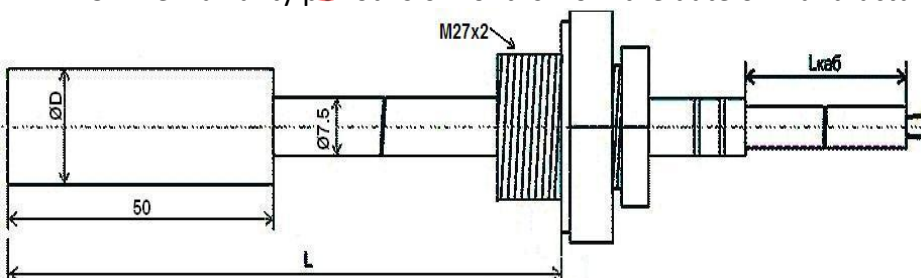


Fig. 1. General view of the thermal converter
D - nozzle diameter,
L - length of the immersion part,
Lкаб - cable length

Address of the manufacturing company:

LLC "Termomir", 40A Khutorivka St., office 230, Lviv, 79070
 (050)3716518 thermomir@ukr.net,
 www.thermomir.com.ua