

A yellow high-speed train is shown from a front-quarter perspective. The destination sign above the windshield displays 'LIMANOWA' in red. The 'limatherm SENSOR' logo is visible on the front of the train. The train is on tracks, and the background is white. A large red vertical bar is on the left side of the image, containing white text.

**AUTOMATION**

**FOR RAIL  
VEHICLES**

**ADVANCED MEASUREMENT  
SOLUTIONS**

[www.limathermsensor.com](http://www.limathermsensor.com)

*limatherm*  
SENSOR

# Temperature sensors, pressure transmitters and heating systems.



**1** pressure transmitters

measurement in air conditioning, hydraulic and pneumatic systems

**2** temperature transmitters

universal transmitter with 4+20 mA or 0+10V output

**3** pressure manometers

indication of parameters of braking systems and other

**4** driver's heaters

heating of the driver's cabin

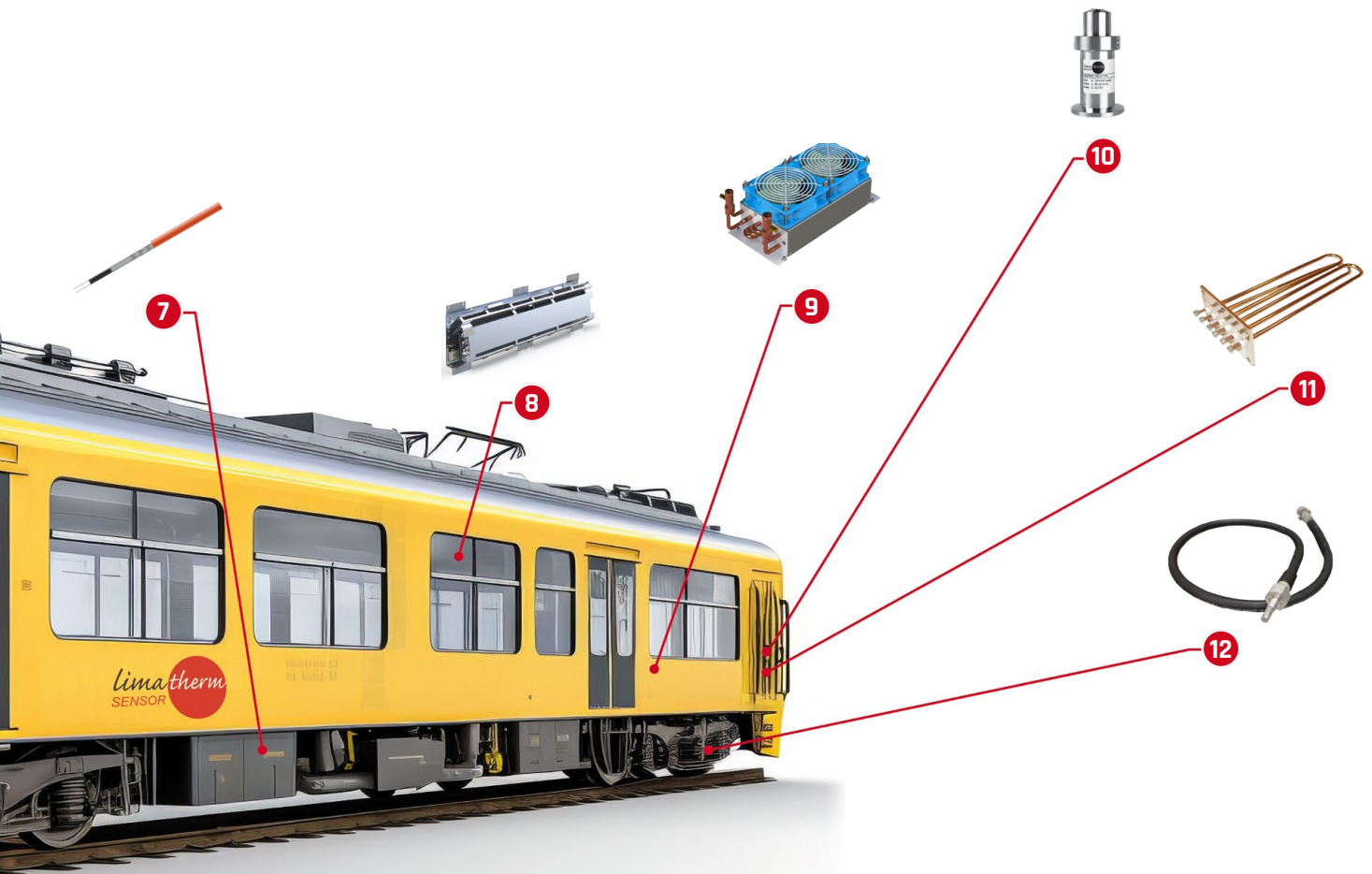
**5** temperature sensors

temperature measurement in air conditioning systems

**6** sander heaters

sander heating, frost protection

Safe and efficient operation of railway systems.



**7** TTM heating tapes  
protection of mechanical systems against freezing

**8** compartment heaters  
under-seat, wall-mounted heating

**9** water heaters  
liquid/air heat exchanger

**10** level probes  
measuring the level of water and feces in tanks

**11** tubular heaters  
water and wastewater heating system

**12** axle-box sensors  
lubrication system for bearings in trolleys

# LIMATHERM SENSOR

ADVANCED MEASUREMENT SOLUTIONS

## LIMATHERM SENSOR SP. Z O.O.

Office: 1 Skrudlak str.  
34-600 Limanowa

Telefon: +48 (18) 3301000  
Fax: +48 (18) 3301004  
E-mail: [export@limathermsensor.pl](mailto:export@limathermsensor.pl)

[www.limathermsensor.com](http://www.limathermsensor.com)



## Measurement Laboratory

The Measurement Laboratory has an Accredited Calibration Laboratory Certificate No. **AP 108**, issued by the Polish Center for Accreditation, a signatory of the EA MLA and ILAC MRA agreements on the mutual recognition of calibration certificates, confirming the competence of the services provided and the fulfillment of technical requirements in the field of calibration.

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