

## OPO-120F periscope

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The OPO-120F observation device is a new generation periscope with wide angle of vision both horizontal and vertical planes. Classic glass prisms are replaced with prisms made of organic glass.

The OPO-120F periscope is equipped with heated windows and has the optical system, which transmits light in the visible band and absorbs the laser light wave of the length 800-1200 nm.

The OPO-120F is designed for assembly in tanks, combat cars, armoured vehicles, etc.

The OPO-120F periscope is a new quality and was used in 2004 in the Ryś-2 Armoured Transporter, which is produced by Automotive Military Institute 5 in Poznań.

### Basic tactical and technical data

Angle of vision in vertical plane	50°
Angle of vision in horizontal plane	150°
Total angle of vision in horizontal plane	≥ 80°
Total angle of vision in vertical plane	≥ 20°
Visible light transmittance	> 30%
Periscoposity [P]	120 mm
Absorption of the laser light wave of length	800 ÷ 1200 nm
Optical density (800 ÷ 1200 nm)	D ≥ 5
Total height	205 mm
Dimensions of the top part of the periscope	375 x 110 mm
Dimensions of the bottom part of the periscope	275 x 77 mm
Mass	6 kg

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