

The invention relates to the field of high-accuracy measurements of parameters of wheel roll. Appliance for measurement of roll parameters by means of artificial technical sight on wheels of rail cars, those include thickness and height of the wheel ridge, the factor qR , diameter of the wheel and distance between the inner surfaces, by means of artificial technical sight that includes one light generator or additionally another light generator arranged with possibility of interaction with the first one, for illumination of the wheel with light ray, optical elements, indicator of the wheel position for issue of signal and activation of light generator at the instance of wheel being in due position for implementation of measurement, means of electronic processing of optical signals obtained.