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The invention refers to the instrument engineering, namely, to processes for registration of optical information on the reliefographic carrier and may be used in the systems functioning in the dynamic regime.

The process for information registration on the photothermoplastic carrier comprises exposure, sensitization and heat development, the exposure being carried out consecutively impulsive with holograms of the total frame high resolution at two different temperatures: at 20°C less than the initial temperature of the photothermoplastic flow within 90% of the total frame registration time, and at the flow temperature - within the rest 10% of the time.