

50 years of the Institute of High Pressure Physics Polish Academy of Sciences Highlights in III-V semiconductors, THz physics and nanomaterials Anniversary Symposium "Unipress 50"

Pressure cell for cryogenic-optical measurements

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New generation of optical pressure cell originally developed in Unipress in 70's by Laboratory of Semiconductors.

First prototype was installed at the faculty of Physics, GOETHE University Frankfurt, Germany 2021.

Diamond / Sapphire optical window







The pressure transmitting medium is Helium, which retains hydrostatic properties at high pressure down to relatively low temperatures (see Helium freezing curve).





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