

The moisture meter IRMA-7 model D is based on Near InfraRed (NIR) radiation absorption in the material under study. The light is sent to the web from the light source. A part of it is reflected away and another part is scattered inside the web. A small part of the light is emitted to the optical detector. Part of the radiation is absorbed and that part is compared to the reference light which is not absorbed. The absorption peak is at 1950 nm.

The light source, the optical detector and the signal processing form a highly advanced system to produce fast, reliable and stable moisture signal. The technologies used are proprietary and unique.

