



INNOVATIVE SENSOR TECHNOLOGY IST AG

INNOVATION PRÉSENTÉE : Meet iST's Cryo-Sensor: precision you can trust at 15 Kelvin

DESRIPTIF : At temperatures approaching 15 K, temperature sensors encounter limitations such as reduced sensitivity, strong non-linearity, thermomechanical stress, and long-term instability, affecting measurement accuracy and reliability. The iST Cryo-Sensor provides excellent signal stability, a favourable cost-to-performance ratio, and reliable measurement performance from 15 K to 473 K. Based on thin-film sensing technology optimized for cryogenic operation, it ensures stable, reproducible, and reliable measurement performance under extreme low-temperature conditions. Standard and individually calibrated sensors are available.

TYPE / EXEMPLE D'APPLICATION : Liquid hydrogen (LH₂) systems, cryogenic process monitoring and control, scientific research and laboratory instrumentation, medical and life science cryogenic applications, aerospace and space applications, industrial gas handling, low temperature material testing and characterization

ILLUSTRATION :



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LIEN INTERNET :

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