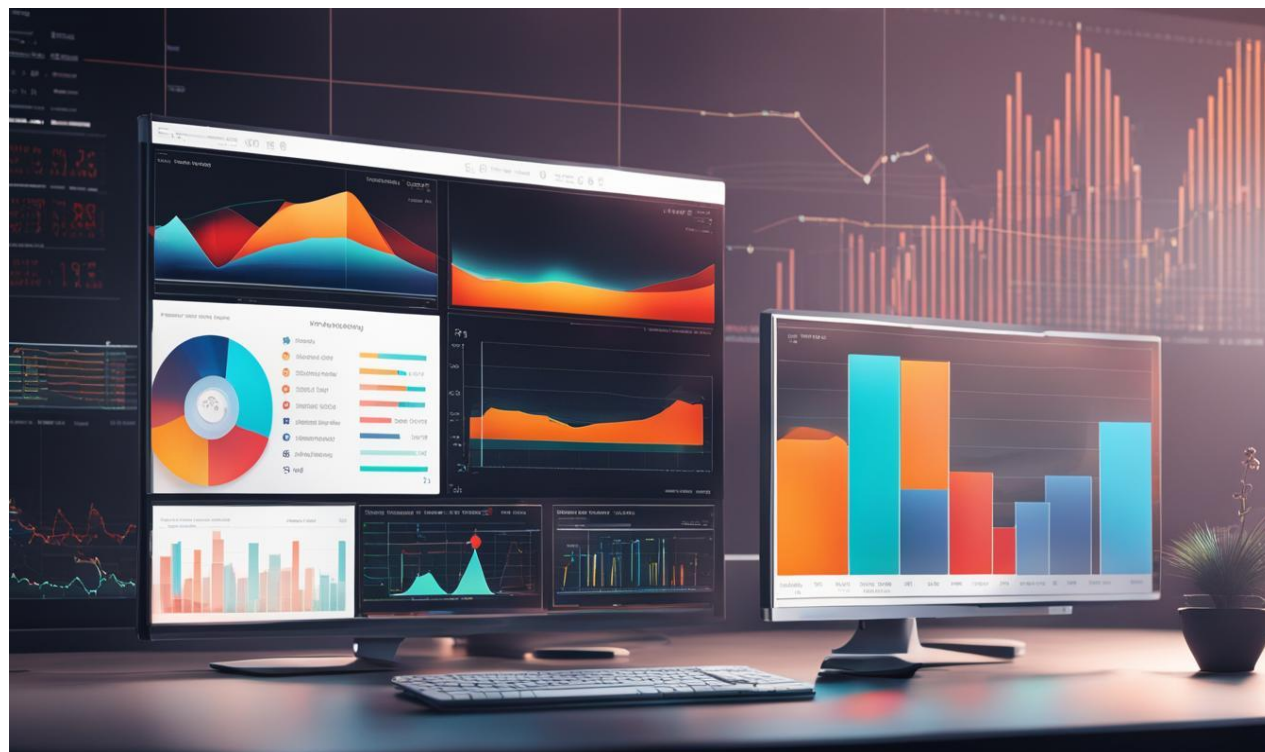




Fundamentals of Industrial Measurement Technology

HIPOT – Monitoring Functions



ProDSP Post Series Nr.37.



Some HIPOT instruments include **monitoring and verification functions** designed to **filter out** edge cases **before** the high voltage is applied.





Short-circuit check

- The instrument applies a low voltage to the DUT
- Measures the resulting current
- If the current is too high, a short circuit is indicated
- High voltage is not applied





Connection check

- Low-voltage capacitance measurement at a few hundred Hz
- Excessively high capacitance → poor or incorrect contact
- The measurement is aborted





If the instrument **provides** these functions, it is **advisable to use** them before the measurement in order to **avoid false-positive results** caused by faults in the measurement setup.





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