



Process Analyzer Sample-conditioning System Technology (Hardback)

By R.E. Sherman

John Wiley and Sons Ltd, United States, 2002. Hardback. Book Condition: New. 278 x 218 mm. Language: English . Brand New Book. This resource provides both novice and experienced technologist with the technical background necessary to choose sample conditioning system components that will allow the process analyzer system to function reliably with minimal maintenance. The conditioned process sample presented to the process analyzer should be of similar quality to the calibration material used to zero and span the analyzer. Filling a long-standing void in the process field, this book addresses the system concept of Process Analyzer Sample-Conditioning Technology in light of the critical importance of delivering a representative sample of the process stream to the process analyzer. Offering detailed descriptions of the equipment necessary to prepare process samples, and listings of two or more vendors (when available) for equipment reviewed, Process Analyzer Sample-Conditioning System Technology discusses: -The importance of a truly representative sample -Sample probes, transfer lines, coolers, and pumps -Sample transfer flow calculations for sizing of lines and system components -Particulate filters, gas-liquid and liquid-liquid separation devices -Sample pressure measurement and control -Enclosures and walk-in shelters, their electrical hazard ratings and climate control systems With extensive system and component...

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