Refprop 9 0 Portable



refprop stands for reference fluid thermodynamic and transport properties. is aspecialized engineering application database developed by nist that provides the most accurate physical thermal models for a wide range of major industry applications. a professional enterprise that needs to calibrate its equipment for accurate measurements. a powerful calibration device for testing accuracy in the lab and in the field. in addition to the fixed flow meters, a portable flow meter can help your business. want to measure the flow of gas for a project? if you have a need for real-time calibration, the portable flow meter is the answer. if you have a need to calibrate and transport gas to a remote location, the portable flow meter is the solution. all portable flow meters are equipped with an on-board totalizer. to ensure that the flow calibration is accurate and reliable, the totalizer also collects calibration data. if an error exists in the flow calibration, the totalizer will continue to collect calibration data until the error is corrected. with alicats pcu-series flow meters, the totalizer's data are automatically sent to alicats flow vision software, where they are analyzed and calibrated. on-board totalizers can then be reset with the software. the refprop program has a database of reference properties for liquids and gases and is utilized for applications in the refrigeration industry. the refrigeration industry is responsible for 14 % of the world's co2 emissions, making the development of low-gwp refrigerants more critical. the refprop program has developed software that automates the calculation of liquid and gas reference properties. the software has been used for a variety of refrigeration applications, including refrigerant-cycle efficiency, refrigerant-cycle selection, and end-of-life refrigerant recycling. the refprop software has been utilized in the refrigerant industry since the 1980s. the refprop (reference properties) software automates the calculation of reference properties for refrigerants by utilizing the existing compilations of liquid and gas reference data in the nist thermophysical properties database (tpd) database. the software program is freely available to the public.

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