

# **Manual of Petroleum Measurement Standards Chapter 5—Metering**

## **Section 2—Measurement of Liquid Hydrocarbons by Displacement Meters**

THIRD EDITION, SEPTEMBER 2005

REAFFIRMED, DECEMBER 2020



American  
Petroleum  
Institute

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## FOREWORD

Chapter 5 of the API Manual of Petroleum Measurement Standards (API *MPMS*) provides recommendations, based on best industry practice, for the custody transfer metering of liquid hydrocarbons. The various sections of this Chapter are intended to be used in conjunction with API *MPMS* Chapter 6 to provide design criteria for custody transfer metering encountered in most aircraft, marine, pipeline, and terminal applications. The information contained in this chapter may also be applied to non-custody transfer metering.

The chapter deals with the principal types of meters currently in use: displacement meters, turbine meters and Coriolis meters. If other types of meters gain wide acceptance for the measurement of liquid hydrocarbon custody transfers, they will be included in subsequent sections of this chapter.

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