

AUTOMATIC, FAST AND PORTABLE D86 MINI-DISTILLATION

MINIDIS

True Atmospheric
Distillation in
only 15 Minutes

Excellent Correlation to
ASTM D 86 (groups 0-4)
and ISO 3405 by Design

Automatic and Easy to
Use Stand Alone Unit,
No Sample Preparation

Automatic Sample
Introduction (6 mL),
Disposable Sample Cups,
No Glassware,
Self Cleaning

Lab and Field
Applications for
Gasoline, Diesel,
Jet Fuel and Solvents



G **GRABNER
INSTRUMENTS™**
www.grabner-instruments.com

**DEDICATED TO THE LATEST IN
MEASUREMENT TECHNOLOGY**



Revolutionizing ASTM D 86 Testing

The new mini-distillation analyzer MINIDIS is revolutionizing ASTM D 86 testing. This true atmospheric distillation analyzer is both, compact and light weight. Using full automation, the MINIDIS achieves the highest levels of accuracy, repeatability and reproducibility possible. The MINIDIS offers a detailed ASTM D 86 compliant report, which can be printed and/or the results can be transmitted via serial PC link directly from the instrument.



Full Automation For Highest Productivity

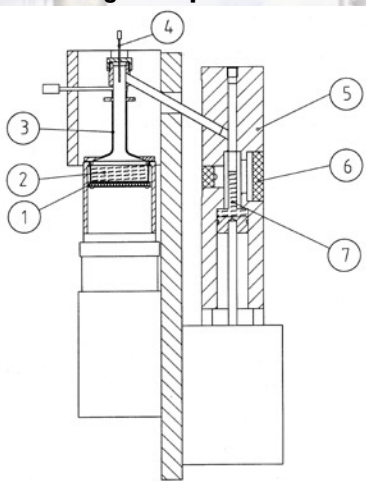
The MINIDIS provides a complete atmospheric distillation run and test report in just 15 minutes using only 6 mL of sample. The automatic operation involves simply placing the filling tube into the sample and pressing "RUN". No sample preparation, no special programming of test conditions or prior distillation knowledge is required. With the automatic sample introduction, the pre-programmed rinsing cycle and the use of a disposable sample cup, any manual cleaning of the analyzer is avoided.

EASY, QUICK AND RELIABLE ATMOSPHERIC DISTILLATION OF GASOLINE, DIESEL & JET FUEL

Measuring Principle:

The sample is introduced automatically into the temperature controlled filling system and from there into the disposable sample cup (2). Then the sample is heated at a controlled rate (1). At the top of the distillation column (3) the temperature of the vapor is measured with a thermoelectric sensor (4). The volume of the condensate (7) is determined using an optical meniscus detection system (6) and a variable condenser chamber (5).

Measuring Principle:



The Latest Technology For All Applications

The easy to use and fully independent design of the MINIDIS make it the ideal instrument for the measurement of standard laboratory atmospheric distillation characteristics of gasoline, diesel, jet fuel and solvents in excellent correlation to ASTM D 86, ISO 3405, IP 123, DIN 51751 (groups 0-4).

Due to the true portability and the rugged housing, the MINIDIS is also the perfect solution for applications, where standard laboratory instrumentation cannot be applied - such as measurements in the field or in mobile laboratories.

Technical Data

Test temperature:	0 - 400 °C (32 - 752 °F)
Temperature resolution:	+/- 0.1 °C (0.18 °F)
Measuring sample volume:	6 mL
Rinsing sample volume:	9 mL
Time per distillation:	15 minutes
Communication languages:	German, English
Power supply:	100/120/230/240 V, 50/60 Hz, 150 W
W x H x D:	200 x 320 x 220 mm (7.8" x 12.6" x 8.7")
Weight:	13 kg (28.7 lbs)

Your distributor:

DIS 1.08 / Specifications are subject to change without further notice.
© Copyright 2002, Grabner Instruments™

GRABNER INSTRUMENTS™

Dr. Otto-Neurath-Gasse 1
A-1220 Vienna/Austria
Tel.: +43/1/282 16 27-0
Fax: +43/1/280 73 34
e-mail: office@grabner-instruments.com
http://www.grabner-instruments.com