

Density Meter Digipol-D50/D70

Brief Introduction

The Digipol-D50/D70 automatic densitometer is based on the principle of U-tube oscillation method, which perfectly combines Peltier's precise temperature control technology with high-definition video camera technology to not only provide accurate, stable and reliable test results, but also provide users with efficient and convenient test experience. High-definition video can see whether there is bubble influence in the sample, using pulse excitation, high-precision detection technology, convenient for users to accurately and quickly measure the sample density and density related parameters.

Fields of Use

1. Pharmaceutical industry: quality control of API and pharmaceutical intermediates, determine the specific gravity and density of pharmaceutical agents;
2. Flavor flavor: food flavor, daily flavor, tobacco flavor, food additive raw material verification;
3. Petrochemical industry: crude oil API index, gasoline, diesel density detection, additive mixing ratio process monitoring;
4. Beverage industry: measurement of sugar concentration, alcohol concentration, beer quality control, soft drink quality control;
5. Food industry: grape juice, tomato juice, high fructose com syrup, vegetable oil and soft drinks processing quality control;
6. Brewing industry: liquor, yellow rice wine, red wine, beer, fruit wine, rice wine and other alcohol concentration detection;
7. Chemical industry: chemical urea, detergent, glycol, acid and alkali and ammonia concentration test;
8. Machinery manufacturing: metal processing, machine manufacturing, automotive industry, electronic and electrical cleaning agent detection;
9. Inspection institutions: standard laboratories, statutory testing institutions, third party detection of liquid density measurement.

Features

1. Automatic integration to realize the function of one-key measurement.
2. Built-in Parpaste temperature control, improve accuracy and stability.
3. Avoid bubbles in HD video.
4. Data can be printed directly through the printer.
5. Compliance with 21CFR Part 11, audit trail, pharmacopoeia and electronic signature.



Parameters

Model	DigiPol -D50	DigiPol -D70
Test mode	—	Density, alcohol concentration and custom formula
Measuring range	0 g/cm ³ to 3 g/cm ³	0 g/cm ³ to 3 g/cm ³
Resolution	±0.0001 g/cm ³	±0.00001 g/cm ³
Repeatability	±0.0001 g/cm ³	±0.00005 g/cm ³
Accuracy	±0.0003 g/cm ³	±0.00008 g/cm ³
Injection method	Automatic (compatible with manual)	Automatic (compatible with manual)
With Video	YES	YES
Temperature control method	Peltier	Peltier
Temperature control range	5°C-45°C	5°C-65°C
Temperature control stability	±0.02°C	±0.02°C
Display method	10.4 inch FTF color touch screen	10.4 inch FTF color touch screen
data storage	32G	64G
output method	USB, RS232, RJ45, SD card, U disk	USB, RS232, RJ45, SD card, U disk
User Management	Yes / four-level authority management	Yes / four-level authority management
Audit trail	YES	YES
Electronic signature	YES	YES
Custom method library	YES	YES
Export file to verify high-level protection MD5	YES	YES
WIFI printing	YES	YES
Export in multiple file formats	PDF & Excel	PDF & Excel
Size	480*320*200mm	480*320*200mm
Power supply	110V -230V 50Hz / 60Hz	110V -230V 50Hz / 60Hz
Weight	8kg	8kg