

assero H20P

Portable Moisture in Oil Meter



Results Manager

emt
assero

DISCONNECT SAVE LOAD EXPORT PRINT

Status: Connected Model: EMT-ASSERO-H20P Serial#: 11018 Calibration: 2014/03/08

Date: 04/09/2016 Results: 4 Filtered Format: ppm Calibration Mode: YES

Sample No	Sample ID	Reak	Volume	Conduct	Result	Unit
1	12.04.02	23.88	1.0000	26.8736	27.39	ppm
2	12.05.08	23.84	1.0000	26.8736	28.33	ppm
3	12.06.08	23.88	1.0000	26.8736	28.39	ppm
4	12.06.08	23.39	1.0000	26.8736	25.58	ppm

Max: 27.4 ppm Min: 25.0 ppm Mean: 26.4 ppm SD: 0.65 CV: 2.47



assero H20P -

The very best for moisture in oil.

For the very best results from your moisture in oil analysis, the assero H20P has been developed in response to many comments from our customers in laboratories and in the field, to develop a portable, robust, easy to use and highly accurate moisture meter for the measurement of down to 1ppm H2O in insulating oils.

The microprocessor controlled assero H20P has a built-in battery and optional carry case, provide the versatility required by the laboratory and also the ease of use and portability required by the field personnel and carries a 5 year warranty.

Easy to Use

Simple to programme so that only a single button needs to be pressed for the analysis, everything else is automatic.

The unique hermetically sealed glassware design is designed to eliminate any outside atmospheric moisture getting into the cell, allowing the highest sensitivity and performance on the market. The "quick-connect" system hermetically seals the glassware without the use of expensive grease or Teflon sleeves allowing trouble free assembly, maintenance and disassembly.

Results & Records

The built-in high speed printer provides a hard copy of results and allows duplicate print outs if required. Results can also be downloaded via the Results Manager software package onto a pc spreadsheet format.

Spares & Accessories

The assero H20P is supplied ready for operation. A comprehensive glassware pack including electrodes, Glass titration vessel, leads, syringe, printer paper, etc, is supplied as standard. A calibration certificate and 5 year warranty is also provided.

Reagents

Specially formulated to provide optimum performance with all makes and models of coulometric Karl Fischer titrators, our unique reagents provide improved sample miscibility and solubility. assero H20P reagents are packaged in single-shot screw top bottles containing 100ml anode reagent and 5ml easy-snap ampoules of cathode reagent. A standard carton contains 8 anode charges and 8 cathode charges. The reagent pack comprises 8 x 100ml anode reagent and 8 x 5ml cathode reagent.

assero H20P Coulometric KF Moisture in Oil Meter • Simple operation • 10 user programmable methods • 1ppm / 100% • Results in ppm, mg/kg, % & µg water → Multi language display & print out → Small footprint → Integral high speed printer → Fully portable → Low drift cell design → Automatically compensated errors (patented technique) • Optional carry case → Conforms to ASTM D1533, D 4928, D6304, IP386, IP438, API MPMS Chapter 10.9, IEC60814, ISO 10101-3, 10337 & 12937.

assero H20P Technical Specifications

PART NO.assero H20P

Titration method

Coulometric Karl Fischer titration

Electrolysis control

Automatic Compensated Errors control system

End point detection

AC polarisation

End point indication

Visual display/print out/acoustic beep

Display

40 character alphanumeric backlit LCD

Measuring range (possible)

1µg – 100mg water

Measuring range (typical)

1µg – 10mg water

Moisture range

1 ppm – 100% water

Max. sensitivity

0.1 µg

Max. titration speed

2.0 mg per minute

Max. current

400 ma

Drift compensation

Automatically controlled

Start delay time

0 – 30 minutes, user selectable

End delay time

0 – 30 minutes, user selectable

Power supply

90-264V AC, 47-63 Hz. 12V DC car adapter/internal battery

Precision

10-100µg ±3µg, 100µg-1mg ±5µg, above 1mg ±0.5%

Calculation modes

Weight/weight, user programmable
 Weight/dilution ratio, user programmable
 Volume/density, user programmable
 Volume/volume, user programmable

Display format

µg, mg/kg, ppm, %

Print format

µg, mg/kg, ppm, %

Statistics

max, mean, min values upto 99 runs

Method storage

10 user programmable methods

USB output

Connection to Results Manager

Removable Data Storage

USB Flash Drive

Sample ID number

User programmable

Printer

42 character high speed thermal printer

Stirrer speed

Microprocessor controlled

Dimensions & Weight

250 x 245 x 120 mm, 3kg

Calendar/clock

Analysis time & date print out

Battery low indicator

Display & print out indication

