

accurate

Reichert Analytical Instruments

reliable



Clinical and Diagnostic Instruments

affordable

Imagine the perfect refractometer for you.

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Reichert offers a variety of diagnostic instruments for a wide range of applications in clinical, veterinary, industrial, and classroom laboratories.



*TS Meter Refractometer
with Illuminated Stand*

Whatever your needs, you can count on the accuracy, reliability and ease of use delivered by every Reichert analytical instrument. For more than 50 years, Reichert has been the leader in developing technologies to improve your measuring capability. Our expertise in refractometry translates into a choice of diagnostic products designed for today's professionals.

Look over the instruments in this brochure for starters.
 Then look to Reichert for help with your measurement applications.
 We are happy to provide the service and support you deserve
 to find the instrument that is perfect for you.



UNISTAT® Bilirubinometer

Reichert's UNISTAT Bilirubinometer is a stat photometric analyzer for determining total bilirubin concentration in newborn infants. It quickly determines if more extensive tests are needed by providing measurement of bilirubin levels in less than 5 seconds. The UNISTAT Bilirubinometer measures total bilirubin rapidly, accurately and economically. Because the analyzer is simple to use and calibrate, it requires very little training.

Bilirubinometer Key Features

- Measures total bilirubin levels in under 5 seconds
- Most trusted and reliable stat analysis of serum bilirubin available
- Measures undiluted serum, eliminating errors from time-consuming dilution or chemical reactions
- Simple to use - insert undiluted serum into the sample chamber, push a button, results appear on the LED display
- Easy to calibrate using included optical standards
- Correlates between 96-99% with HPLC gold standard for measuring bilirubin

UNISTAT® Bilirubinometer

Sample	20µL undiluted serum
Results Displayed	5 seconds
Turnaround Time	15 seconds
Readout	Digital direct reading, mg/dL or µmol/L
Range	0-40 mg/dL 0-684 µmol/L
Accuracy	±5% [0-30 mg/dL (0-513 µmol/L)] ±10% [30.1-40 mg/dL (515-684 µmol/L)]
Operating Voltage	120 VAC, 50/60 Hz or 240 VAC, 50/60 Hz
Approvals	UL, CUL, VDE, CE

Ordering Information	
Catalog Number	Description
1310310C	UNISTAT Bilirubinometer complete with calibration and high-level check cuvettes, reference manual, box of 51 disposable cuvettes, replacement lamp, 3-wire cord with grounded plug, 120 VAC, 50/60 Hz
1310311C	UNISTAT Bilirubinometer, same as above but 240 VAC, 50/60 Hz
13102140	Disposable cuvettes for UNISTAT Bilirubinometer, package of 51
13103410	Calibration cuvette (approximate assay value 20 mg/dL, 342 µmol/L)
13103420	High-level check cuvette (approximate assay value 41 mg/dL, 701 µmol/L)
13103430	Low-level cuvette (approximate assay value 12 mg/dL, 205 µmol/L)



Darkfield Quebec® Colony Counter

The Darkfield Quebec Colony Counter allows you to quickly and accurately count bacteria colonies. A choice of models allows for digital counting or manual counting. Both models have a dish holder that is adjustable for centering round dishes with diameters up to 100 mm and

square culture plates up to 100 mm x 100 mm. The digital model's built-in digital counter automatically records the colony when a counting probe is touched to the colony.

Colony Counter Key Features

- Even, glare-free darkfield illumination
- Light is spread uniformly over the entire culture plate
- Colonies are bright and easily distinguished
- Adjustable dish holder for centering both round dishes and square culture plates
- Adjustable focusing rod
- Lens rotates a full 360°
- Built-in tilt leg
- Optional 1.5X auxiliary lens fits over standard lens, increasing magnification to 3X

Darkfield Quebec® Colony Counter

Ordering Information	
Catalog Number	Description
13332500	Manual Darkfield Quebec Colony Counter, 115V/60Hz. Includes Wolffheugel Counting Plate
13332600	Same as 13332500, but 220V/50Hz
13332700	Manual Darkfield Quebec Colony Counter with Electronic Counting Probe and Digital Readout, 115V/60Hz. Includes Wolffheugel Counting Plate.
13332800	Same as 13332700 but 220V/50Hz
Accessories	
13332300	Counting Probe and Magnetic Ground
13332400	Push Button Counter
13333100	1.5 Auxiliary Lens
13333800	Wolffheugel Counting Plate

Goldberg Series Refractometer TS Meter

Reichert's TS Meter is a high precision hand-held clinical refractometer that determines urine specific gravity, protein concentration in plasma or serum, and total solids in other aqueous solutions. Automatic temperature compensation provides accurate readings at virtually any temperature. The TS Meter provides readings with a degree of accuracy, reproducibility and speed significantly better than those obtained with urinometers or with non-temperature compensated instruments. Accuracy and reproducibility are comparable to those of more costly bench-type Abbe refractometers.

TS Meter Key Features

- Urine specific gravity scale reading (range 1.000-1.035) with precision to 0.001 units
- Serum/Plasma Protein concentration (range 2.5-15 grams/100mL) with precision of 0.1 grams/100mL
- Refraction (0-320) with precision to 2
- Small sample required - just 0.005 mL - for accurate analysis
- Accuracy and reproducibility comparable to benchtop Abbe refractometers



TS Meter Refractometer

Catalog No.	13104100A
Scales	Urine Specific Gravity, Serum Protein, Refraction
Accuracy	Urine Specific Gravity: +/- 0.001 Serum Protein: +/- 0.1 g/100ml Refraction Units: +/- 2
Range	Urine Specific Gravity: 1.000 - 1.035 Serum Protein: 2.5 - 15.0 g/100 ml Refraction: 0 - 320
Accessories	13104060 Illuminated Table Stand - 110V 13104080 Illuminated Table Stand - 220V 13104050 Micro-Sample Cover

Phoenix Series Refractometer VET 360 Veterinary TS Meter

The VET 360 is a clinical hand-held refractometer specifically designed for veterinary medicine. It instantly determines urine specific gravity and protein concentration in plasma, serum or peritoneal fluid. Special scales provide readings for both large and small animals.

VET 360 Key Features

- Automatic temperature compensation provides accurate readings without correction tables or temperature measurement.
- Clear, precise scales
- Test takes only seconds to complete
- Portable - no batteries or power cord required
- Rugged and impact-resistant
- Leak-proof design eliminates the possibility of condensation or sample contamination on the optics
- Ideal for use in a laboratory, office or outdoors.



VET 360 Veterinary Refractometer

Catalog No.	137536LO
Scales	Urine Specific Gravity: Small Animals, Urine Specific Gravity: Large Animals, Serum Protein
Accuracy	Urine Specific Gravity: ± 0.001 Serum Protein: ± 0.2 g/100ml
Range	Urine Specific Gravity: 1.000 - 1.060 Serum Protein: 2.0 - 14.0 g/100ml

HP Series Refractometer TS 400

The Reichert TS 400 is a high performance hand-held clinical refractometer that determines urine specific gravity, protein concentration in plasma or serum, and total solids in other aqueous solutions. It is designed specifically for clinical, chemistry and classroom laboratories.

TS 400 Key Features

- Automatic temperature compensation provides accurate readings without the need for correction tables or temperature measurement
- Instant results with just a drop of sample - place sample on the prism, hold the unit perpendicular to a light source and look into the eyepiece
- Easy-to-read scale and a focusable eyepiece optimize viewing
- High visibility, bright, blue shadowline



TS 400 Refractometer

Catalog No.	13740000
Scales	Urine Specific Gravity, Serum Protein, Refractive Index
Accuracy	Urine Specific Gravity: ± 0.001 Serum Protein: ± 0.2 g/100ml Refractive Index: ± 0.0004
Range	Urine Specific Gravity: 1.000 - 1.050 Serum Protein: 0.0 - 12.0 g/100 ml Refractive Index 1.3330 - 1.3570

More from Reichert

As a leader in refractometry, Reichert also offers a full line of rugged, durable and dependable hand-held refractometers to meet most any need. From food and beverage to chemical and industrial applications, there is a Reichert hand-held refractometer for accurate, fast and easy testing in the field.

Reichert Analytical Instruments



Hand-Held Refractometers

Imagine the perfect refractometer for you.

Reichert Analytical Instruments



Bench-Top Refractometers

Imagine the perfect refractometer for you.

The brochures shown above are also available. To receive your copy, just call us at 281-496-0900.

*The precision and accuracy of measurements are largely dependent upon operator skill, laboratory equipment, temperature control, the accuracy of calibration standards, chemical stability of sample, and the physical characteristics of the sample. A product demonstration is suggested to validate the true precision and accuracy of laboratory equipment for specific samples. Due to a policy of continuous development, we reserve the right to change specifications without notice.



Reichert products are designed and manufactured under quality processes meeting ISO 9001 requirements

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