



Industry: Chemistry

Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none"> ▪ Incoming goods and final inspection ▪ Control of raw materials, control of mixing ratio ▪ Urea concentration in water ▪ Quality control of organic solvents ▪ Characterisation of liquid intermediates ▪ Determination of acid concentrations 	<ul style="list-style-type: none"> ➔ Acids, alkalis ➔ Dissolved salts ➔ Solvents ➔ Raw materials ➔ Urea 	<ul style="list-style-type: none"> ▪ Exact temperature control ▪ Wide measurement range ▪ Variety of scales/methods ▪ Chemical resistance 	<ul style="list-style-type: none"> ▪ ASTM D4052 ▪ EN/ISO 15212 	<ul style="list-style-type: none"> ▪ DS7800

Industry: Pharmaceuticals

Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none"> ▪ Liquid sample characterisation ▪ Quality control of liquid medicines and active substances ▪ Incoming goods and final inspection ▪ Control of raw materials, control of mixing ratio 	<ul style="list-style-type: none"> ➔ Amino acids and proteins ➔ Blood sera, steroids, hormones Antibiotics ➔ Infusion solutions ➔ Urine 	<ul style="list-style-type: none"> ▪ Accuracy ▪ Compliance with norms 	<ul style="list-style-type: none"> ▪ Pharmacopoeias (USP, BP, JP, Ph. Eur.) ▪ 21 CFR Part 11 	<ul style="list-style-type: none"> ▪ DS7800

Industry: Food and beverage

Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none"> ▪ The sugar content in soft drinks ▪ Alcohol concentration of spirits in vol. %, Ph value of fruit juices ▪ Gardner colour of sunflower oil a... ▪ Quality control tests ▪ Control of raw materials, control of blending ratio ▪ Winemaker: quality control of grape juice, must, wine, sparkling wine liqueur 	<ul style="list-style-type: none"> ➔ Beverage industry: condiments, fruit juice, syrup, soft drinks, spirits, distillates, mixed milk drinks. ➔ Food industry: jam, marmalade, honey, sugar (sucrose, glucose or fructose), syrup, condiments/condiments (mustard, ketchup, mayonnaise, etc.) Sauces, oils 	<ul style="list-style-type: none"> ▪ Fast measurement with easy handling ▪ Easy cleaning ▪ Precise temperature control ▪ Wide measurement range ▪ A variety of scales/methods 	<ul style="list-style-type: none"> ▪ AOAC ▪ OIV ➔ ASBC ▪ ICUMSA ▪ ASTM ▪ ISO ▪ AOAC ▪ OIML ➔ DIN 	<ul style="list-style-type: none"> ▪ DS7700 ▪ DS7800



Industry: Biofuel				
Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none"> Quality control of raw and finished products 	<ul style="list-style-type: none"> Bioethanol Biodiesel (FAME) 	<ul style="list-style-type: none"> Precise temperature control Chemical resistance 	<ul style="list-style-type: none"> EN/ISO 12185 EN 14214 ASTM D4052 	<ul style="list-style-type: none"> DS7800

Industry: Sugar				
Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none"> Determination of the sugar concentration of raw materials, preliminary, intermediate and end products, %Brix determination Purity of sugar and its preliminary products Syrup concentration 	<ul style="list-style-type: none"> Sugar cane Beet pulp Molasses, refined sugar Syrup, invert sugar, dextrose Corn syrup etc. 	<ul style="list-style-type: none"> User-friendly handling Easy cleaning Availability of the Brix scale 	<ul style="list-style-type: none"> ICUMSA 	<ul style="list-style-type: none"> DS7700 DS7800

Industry: Production of cosmetics, flavours, fragrances				
Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none"> Quality control of raw and auxiliary materials Purity measurements of valuable essential oils Guarantee of consistent quality of perfumes Compliance with filling quantities Combined measurements of specific gravity and refractive index to ensure the exact composition of fragrances 	<ul style="list-style-type: none"> Creams, ointments, pastes, lotions Emulsions Perfumes, aromas Shampoo, soaps Essential oils 	<ul style="list-style-type: none"> Precision Chemical resistance Low sample volume 	<ul style="list-style-type: none"> AOAC Pharmacopoeias (USP, BP, JP, Ph. Eur.) EN/ISO 15212 	<ul style="list-style-type: none"> DS7800

Industry: Petrochemical				
Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none"> Measurement according to API grade Classification / characterisation of petrochemical products Automatic viscosity correction Quality control of fuels and additives 	<ul style="list-style-type: none"> Fuels Additives Oils, lubricants 	<ul style="list-style-type: none"> Chemical resistance Easy handling 	<ul style="list-style-type: none"> DIN 51757 ISO 12185 IP 365/84 ASTM D 1250, ASTM D 4052, ASTM D 5002, ASTM D 5931 	<ul style="list-style-type: none"> DS7800



Legal guidelines/regulations				
Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none">▪ Verfälschung von Kraftstoffen▪ Deklaration falscher Alkoholkonzentrationen	<ul style="list-style-type: none">→ Spirituosen→ Weine	<ul style="list-style-type: none">▪ Präzision▪ Normenkonformität	<ul style="list-style-type: none">▪ ASTM D4052▪ EC 2870/2000, EC 355/2005, EC 128/2004▪ EEC 2676/90	<ul style="list-style-type: none">▪ DS7800

Apprenticeship				
Application	Substances	Requirements	Standards	Density Meter
<ul style="list-style-type: none">▪ Apprenticeship in training labs	<ul style="list-style-type: none">→ Diverse	<ul style="list-style-type: none">▪ User-friendly▪ Attractive price	<ul style="list-style-type: none">▪ ASTM D4052	<ul style="list-style-type: none">▪ DS7700



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