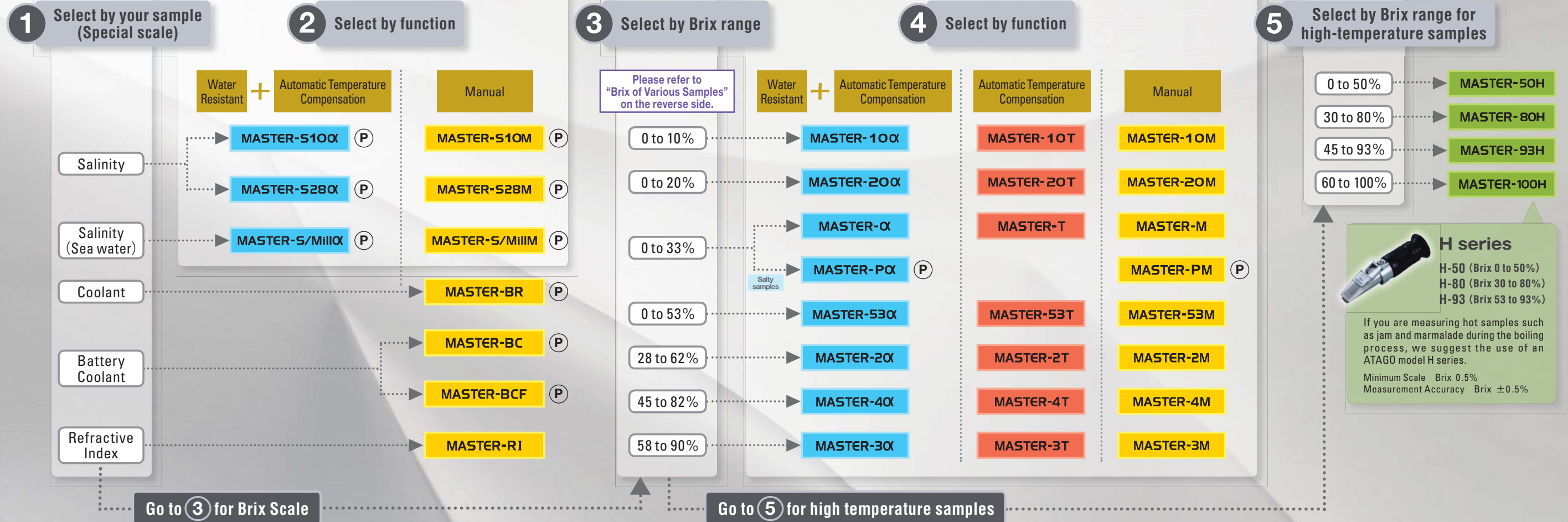


Select Suitable Model

1 2 3 4 5 6 Follow the article in order

P ... Durable plastic material for salty and acidic samples



6 Confirm specifications

| Model | MASTER-α | MASTER-2α | MASTER-3α | MASTER-4α | MASTER-53α | MASTER-10α | MASTER-20α | MASTER-Pα | MASTER-S10α | MASTER-S28α | MASTER-S/Millα | | | | | | | | |
|--------------------------------|---|---|---|------------------------------------|-------------------------------------|----------------------------------|-----------------------|----------------------------------|---|---|---|--|-----------------------|-----------------------|--|---|--|---|------------------------------------|
| Cat.No. | 2311 | 2321 | 2331 | 2341 | 2351 | 2371 | 2381 | 2391 | 2471 | 2481 | 2491 | | | | | | | | |
| Scale range | Brix 0.0 to 33.0% | Brix 28.0 to 62.0% | Brix 58.0 to 90.0% | Brix 45.0 to 82.0% | Brix 0.0 to 53.0% | Brix 0.0 to 10.0% | Brix 0.0 to 20.0% | Brix 0.0 to 33.0% | Sodium chloride 0.0 to 10.0g/100g | Sodium chloride 0.0 to 28.0g/100g | Salinity 0 to 100‰ Specific gravity 1.000 to 1.070 | | | | | | | | |
| Minimum Scale | Brix 0.2% | | | | Brix 0.5% | Brix 0.1% | | Brix 0.2% | Sodium chloride 0.1g/100g | Sodium chloride 0.2g/100g | Salinity 1‰ Specific gravity 0.001 | | | | | | | | |
| Measurement Accuracy | Brix ±0.2% *±0.1% (10 to 30℃) | Brix ±0.2% *±0.1% (10 to 40℃) | | | Brix ±0.5% *±0.25% (10 to 30℃) | Brix ±0.2% *±0.1% (10 to 30℃) | | Brix ±0.2% *±0.1% (10 to 30℃) | Sodium chloride ±0.2g/100g *±0.1g/100g (10 to 30℃) | Sodium chloride ±0.2g/100g *±0.1g/100g (10 to 30℃) | Salinity ±2‰ *±1‰ Specific gravity ±0.001 *±0.0005 (10 to 30%) | | | | | | | | |
| International Protection Class | IP65 (except eye piece) Dust-tight and Protected against water jets. | | | | | | | | | | | | | | | | | | |
| Size & Weight | 3.3×3.3×20.4cm, 160 g | | 3.3×3.3×16.8cm, 120 g | | | 3.3×3.3×20.4cm, 160 g | | 3.3×3.3×20.4cm, 100 g | 3.3×3.3×20.4cm, 100 g | | | | | | | | | | |
| Model | MASTER-M | MASTER-2M | MASTER-3M | MASTER-4M | MASTER-53M | MASTER-10M | MASTER-20M | MASTER-PM | MASTER-S10M | MASTER-S28M | MASTER-S/MillM | | | | | | | | |
| Cat.No. | 2313 | 2323 | 2333 | 2343 | 2353 | 2373 | 2383 | 2393 | 2473 | 2483 | 2493 | | | | | | | | |
| Scale range | Brix 0.0 to 33.0% | Brix 28.0 to 62.0% | Brix 58.0 to 90.0% | Brix 45.0 to 82.0% | Brix 0.0 to 53.0% | Brix 0.0 to 10.0% | Brix 0.0 to 20.0% | Brix 0.0 to 33.0% | Sodium chloride 0.0 to 10.0g/100g | Sodium chloride 0.0 to 28.0g/100g | Salinity 0 to 100‰ Specific gravity 1.000 to 1.070 | | | | | | | | |
| Minimum Scale | Brix 0.2% | | | | Brix 0.5% | Brix 0.1% | | Brix 0.2% | Sodium chloride 0.1g/100 g | Sodium chloride 0.2g/100 g | Salinity 1‰ Specific gravity 0.001 | | | | | | | | |
| Size & Weight | 3.3×3.3×20.4cm, 160 g | | 3.3×3.3×16.8cm, 120 g | | | 3.3×3.3×20.4cm, 160 g | | 3.3×3.3×20.4cm, 100 g | 3.3×3.3×20.4cm, 100 g | | | | | | | | | | |
| Model | MASTER-BR | MASTER-BC | MASTER-BCF | MASTER-RI | MASTER-T | MASTER-2T | MASTER-3T | MASTER-4T | MASTER-53T | MASTER-10T | MASTER-20T | MASTER-50H | MASTER-80H | MASTER-93H | MASTER-100H | MASTER-SUR/Jα | MASTER-URC/Jα | MASTER-SUR/JM | MASTER-URC/JM |
| Cat.No. | 2930 | 2931 | 2932 | 2612 | 2312 | 2322 | 2332 | 2342 | 2352 | 2372 | 2382 | 2354 | 2364 | 2374 | 2384 | 2751 | 2761 | 2753 | 2763 |
| Scale range | propylene glycol 0 to 70% ethylene glycol 0 to 70% 0 to 70% 0 to —50℃ | <Freezing temperature scale> ethylene glycol 0 to —50℃ propylene glycol 0 to —50℃ <Battery fluid d20/20> 1.150 to 1.300 | <Freezing temperature scale> ethylene glycol 32 to —60℉ propylene glycol 32 to —50℉ <Battery fluid d20/20> 1.150 to 1.300 | Refractive index 1.435 to 1.520 | Brix 0.0 to 33.0% | Brix 28.0 to 62.0% | Brix 58.0 to 90.0% | Brix 45.0 to 82.0% | Brix 0.0 to 53.0% | Brix 0.0 to 10.0% | Brix 0.0 to 20.0% | Brix 0.0 to 50.0% | Brix 30.0 to 80.0% | Brix 45.0 to 93.0% | Brix 60.0 to 100.0% | Urine S.G. scale 1.000 to 1.100 Serum protein scale 0.0 to 12.0g/100ml Refractive Index scale (nD) 1.3330 to 1.3660 | Urine S.G. scale 1.000 to 1.100 | Urine S.G. scale 1.000 to 1.100 Serum protein scale 0.0 to 12.0g/100ml Refractive Index scale (nD) 1.3330 to 1.3660 | Urine S.G. scale 1.000 to 1.100 |
| Minimum Scale | 5% 5℃ | <Freezing temperature scale> ethylene glycol 5℃ propylene glycol 5℃ <Battery fluid d20/20> 0.01 | <Freezing temperature scale> ethylene glycol 10℉ propylene glycol 10℉ <Battery fluid d20/20> 0.01 | Refractive index 0.001 | Brix 0.2% | | | Brix 0.5% | Brix 0.1% | | Brix 0.5% | | | | Urine S.G. scale 0.001 Serum protein scale 0.2g/100ml Refractive Index scale (nD) 0.0005 | Urine S.G. scale 0.001 | Urine S.G. scale 0.001 Serum protein scale 0.2g/100ml Refractive Index scale (nD) 0.0005 | Urine S.G. scale 0.001 | |
| Measurement Accuracy | — | | | | Brix ±0.2% *±0.1% (10 to 30℃) | Brix ±0.2% *±0.1% (10 to 40℃) | | | Brix ±0.5% *±0.25% (10 to 30℃) | Brix ±0.2% *±0.1% (10 to 30℃) | | Brix ±0.5% *±0.25% | | | | Urine S.G. scale ±0.001 Serum protein scale ±0.2g/100ml Refractive Index scale (nD) ±0.0005 (10 to 30℃) | Urine S.G. scale ±0.001 (10 to 30℃) | — | — |
| International Protection Class | — | | | | — | | | | | | | IP65 (except eye piece) Dust-tight and Protected against water jets. | | | | IP65 (except eye piece) Dust-tight and Protected against water jets. | | — | |
| Size & Weight | 3.3×3.3×16.8cm, 90 g | 3.3×3.3×16.8cm, 90 g | | 3.3×3.3×16.8cm, 120 g | 3.3×3.3×20.4cm, 160 g | | 3.3×3.3×16.8cm, 120 g | | 3.3×3.3×20.4cm, 160 g | | 3.3×3.3×16.8cm, 120 g | | | | 3.3×3.3×20.4cm, 100 g | | | | |

*Repeatability

MASTER series MASTER series Clinical Refractometer