

# Product data sheet

## BS 718 : 1991 DENSITY HYDROMETERS

### S50 SERIES

BS 718 : 1991 is generally aligned with ISO 387 and ISO 649. The specification includes five series and three sub-series of hydrometers, of which the most widely used are listed below. They are calibrated using the accepted units of grams per millilitre (g/ml) and are adjusted at 20°C. The following specification refers to S50 Series.

All hydrometers can be supplied with UKAS certification, certificate traceable to Recognised National Standard or Statement of Conformity, if required.

#### Product features:

- Calibrated using grams per millilitre (g/ml)
- Adjusted at 20°C
- 190mm long
- Made in UK
- Supplied in protective, resealable plastic tube

#### Product specifications:

- Material:** Soda glass  
Steel shot ballast  
Synthetic wax resin
- Ranges:** See table
- Range span:** 0.050 g/ml
- Divisions:** 0.002 g/ml
- Overall length:** 190mm
- Bulb diameter:** 18 - 20mm
- Approx weight:** 35g  
(incl. 9g protective plastic tube)

Range g/ml	To suit Surface Tension	Product Number
0.60 to 0.65 g/ml	Low	10/300/0
0.65 to 0.70 g/ml		10/301/0
0.70 to 0.75 g/ml		10/302/0
0.75 to 0.80 g/ml		10/303/0
0.80 to 0.85 g/ml		10/304/0
0.85 to 0.90 g/ml		10/305/0
0.90 to 0.95 g/ml		10/306/0
0.95 to 1.00 g/ml	Medium	10/307/0
1.00 to 1.05 g/ml		10/308/0
1.05 to 1.10 g/ml		10/309/0
1.10 to 1.15 g/ml		10/310/0
1.15 to 1.20 g/ml		10/311/0
1.20 to 1.25 g/ml		10/312/0
1.25 to 1.30 g/ml		10/313/0
1.30 to 1.35 g/ml		10/314/0
1.35 to 1.40 g/ml		10/315/0
1.40 to 1.45 g/ml		10/316/0
1.45 to 1.50 g/ml		10/317/0
1.50 to 1.55 g/ml		10/318/0
1.55 to 1.60 g/ml		10/319/0
1.60 to 1.65 g/ml		10/320/0
1.65 to 1.70 g/ml		10/321/0
1.70 to 1.75 g/ml		10/322/0
1.75 to 1.80 g/ml		10/323/0
1.80 to 1.85 g/ml	10/324/0	
1.85 to 1.90 g/ml	10/325/0	
1.90 to 1.95 g/ml	10/326/0	
1.95 to 2.00 g/ml	10/327/0	



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## M50 SERIES

BS 718 : 1991 is generally aligned with ISO 387 and ISO 649. The specification includes five series and three sub-series of hydrometers, of which the most widely used are listed below. They are calibrated using the accepted units of grams per millilitre (g/ml) and are adjusted at 20°C.

The following specification refers to M50 Series. All hydrometers can be supplied with UKAS certification, certificate traceable to Recognised National Standard or Statement of Conformity, if required.

### Product features:

- Calibrated using grams per millilitre (g/ml)
- Adjusted at 20°C
- 270mm long
- Made in UK
- Supplied in protective, resealable plastic tube

### Product specifications:

<b>Material:</b>	Soda glass Steel shot ballast Synthetic wax resin
<b>Ranges:</b>	See table
<b>Range span:</b>	0.050 g/ml
<b>Divisions:</b>	0.001 g/ml
<b>Accuracy:</b>	0.001 g/ml
<b>Overall length:</b>	270mm
<b>Bulb diameter:</b>	20 - 24mm
<b>Approx weight:</b>	42g (incl. 14g protective plastic tube)

Range g/ml	To suit surface tension	Product number
0.60 to 0.65 g/ml	Low	10/330/0
0.65 to 0.70 g/ml		10/331/0
0.70 to 0.75 g/ml		10/332/0
0.75 to 0.80 g/ml		10/333/0
0.80 to 0.85 g/ml		10/334/0
0.85 to 0.90 g/ml		10/335/0
0.90 to 0.95 g/ml		10/336/0
0.95 to 1.00 g/ml		10/337/0
1.00 to 1.05 g/ml	Medium	10/338/0
1.05 to 1.10 g/ml		10/339/0
1.10 to 1.15 g/ml		10/340/0
1.15 to 1.20 g/ml		10/341/0
1.20 to 1.25 g/ml		10/342/0
1.25 to 1.30 g/ml		10/343/0
1.30 to 1.35 g/ml		10/344/0
1.35 to 1.40 g/ml		10/345/0
1.40 to 1.45 g/ml		10/346/0
1.45 to 1.50 g/ml		10/347/0
1.50 to 1.55 g/ml		10/348/0
1.55 to 1.60 g/ml		10/349/0
1.60 to 1.65 g/ml		10/350/0
1.65 to 1.70 g/ml		10/351/0
1.70 to 1.75 g/ml		10/352/0
1.75 to 1.80 g/ml		10/353/0
1.80 to 1.85 g/ml		10/354/0
1.85 to 1.90 g/ml		10/355/0
1.90 to 1.95 g/ml		10/356/0
1.95 to 2.00 g/ml		10/357/0



# Product data sheet

## L50 SERIES

BS 718 : 1991 is generally aligned with ISO 387 and ISO 649. The specification includes five series and three sub-series of hydrometers, of which the most widely used are listed below. They are calibrated using the accepted units of grams per millilitre (g/ml) and are adjusted at 20°C. The following specification refers to L50 Series. All hydrometers can be supplied with UKAS certification, certificate traceable to Recognised National Standard or Statement of Conformity, if required.

### Product features:

- Calibrated using grams per millilitre (g/ml)
- Adjusted at 20°C
- 335mm long
- Made in UK
- Supplied in protective, resealable plastic tube

### Product specifications:

**Material:** Soda glass  
Steel shot ballast  
Synthetic wax resin

**Ranges:** See table

**Range span:** 0.050 g/ml

**Divisions:** 0.0005 g/ml

**Accuracy:** 0.0005 g/ml

**Overall length:** 270mm

**Bulb diameter:** 23 - 27mm

**Approx weight:** 103g  
(incl. 47g protective plastic tube)

Range g/ml	To suit surface tension	Product number
0.60 to 0.65 g/ml	Low	10/360/0
0.65 to 0.70 g/ml		10/361/0
0.70 to 0.75 g/ml		10/362/0
0.75 to 0.80 g/ml		10/363/0
0.80 to 0.85 g/ml		10/364/0
0.85 to 0.90 g/ml		10/365/0
0.90 to 0.95 g/ml		10/366/0
0.95 to 1.00 g/ml	10/367/0	
1.00 to 1.05 g/ml	Medium	10/368/0
1.05 to 1.10 g/ml		10/369/0
1.10 to 1.15 g/ml		10/370/0
1.15 to 1.20 g/ml		10/371/0
1.20 to 1.25 g/ml		10/372/0
1.25 to 1.30 g/ml		10/373/0
1.30 to 1.35 g/ml		10/374/0
1.35 to 1.40 g/ml		10/375/0
1.40 to 1.45 g/ml		10/376/0
1.45 to 1.50 g/ml		10/377/0
1.50 to 1.55 g/ml		10/378/0
1.55 to 1.60 g/ml		10/379/0
1.60 to 1.65 g/ml		10/380/0
1.65 to 1.70 g/ml	10/381/0	
1.70 to 1.75 g/ml	10/382/0	
1.75 to 1.80 g/ml	10/383/0	
1.80 to 1.85 g/ml	10/384/0	
1.85 to 1.90 g/ml	10/385/0	
1.90 to 1.95 g/ml	10/386/0	
1.95 to 2.00 g/ml	10/387/0	



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