

PETROLEUM HYDROMETERS

API SCALE FOR PETROLEUM PRODUCTS

Manufactured strictly in accordance with all applicable ASTM specifications, these units have become the industry standard for close, accurate readings. All instruments in this series are suitable for certification and as such serve as primary reference standards in many governmental and private laboratories.

ASTM API HYDROMETERS

With	out th	nermometer					
Cat I	No	ASTM	API	R	ange	Div	Length
7000	+	1H	-1	to	11	0.1	330mm
7002	+	2H	9	to	21	0.1	330mm
7004	+	3H	19	to	31	0.1	330mm
7006	+	4H	29	to	41	0.1	330mm
7008	+	5H	39	to	51	0.1	330mm
7010	+	6H	49	to	61	0.1	330mm
7012	+	7H	59	to	71	0.1	330mm
7014	+	8H	69	to	81	0.1	330mm
7016	+	9H	79	to	91	0.1	330mm
7018	+	10H	89	to	101	0.1	330mm
7020			10	to	100	1.0	330mm

ASTM API THERMO-HYDROMETERS

Cat N	0	ASTM*	API	Ra	ange	Div	Te	mp	Range	Div	Length
7050	+	51HH	-1	to	11	0.1	60	to	220F	2	380mm
7050L		51HL	-1	to	11	0.1	0	to		2	380mm
7052	+	52HH	9	to	21	0.1	60	to	220F	2	380mm
7052L		52HL	9	to	21	0.1	0	to	150F	2 2 2	380mm
7054	+	53HM	19	to	31	0.1	30	to	180F	2	380mm
7054L		53HL	19	to	31	0.1	0	to	150F	2	380mm
7056	+	54HM	29	to	41	0.1	30	to	180F	2	380mm
7056L		54HL	29	to	41	0.1	0	to	150F	2	380mm
7058	+	55HL	39	to	51	0.1	0	to	150F	2	380mm
7060	+	56HL	49	to	61	0.1	0	to	150F	2	380mm
7062	+	57HL	59	to	71	0.1	0	to	150F	2	380mm
7064	+	58HL	69	to	81	0.1	0	to	150F	2	380mm
7066	+	59HL	79	to	91	. 0.1	0	to	150F	2	380mm
7068		60HL	89	to	101	0.1	0	to	150F	2	380mm
7076			10	to	30	0.2	0	to	150F	2	380mm
7078	+		20	to	40	0.2	0	to	150F	2	380mm
7080			30	to	50	0.2	0	to	150F	2	380mm
7082	+		40	to	60	0.2	0	to	150F	2	380mm
7084	+		50	to	70	0.2	0	to	150F	2	380mm
7092			29	to	45	0.1	0	to	150F	2	380mm
7094			33	to	48	0.1	0	to	150F	2	380mm
7096			19	to	45	0.1	0	to	150F	2	380mm
7098			30	to	90	0.5	. 0	to	150F	2	380mm

* ASTM DESIGNATIONS FOR TEMPERATURE RANGES INDICATED: H (HIGH) 60/220FM (MEDIUM) 30/180FL (LOW) 0/150FANY OF THESE RANGES CAN BE FURNISHED WITH THE HYDROMETERS LISTED ABOVE UPON REQUEST

ASTM API THERMO-HYDROMETERS WITH THERMOMETER IN STEM

Useful for testing of heavy oils where dark color prevents reading the thermometer in the body of a conventional thermohydrometer.

in the boo	dy of a conv	entional thermony	arometer.			
Cat No	ASTM	API Range	Div	Temp Range	Div	Length
7100	71H	-1 to 11	0.1	30 to 220F	2	380mm
7102	72H	9 to 21	0.1	30 to 220F	2	380mm
7104	73H	19 to 31	0.1	30 to 220F	2	380mm
7106	74H	29 to 41	0.1	30 to 220F	2	380mm
7108		39 to 51	0.1	30 to 220F	2	380mm
7110		49 to 61	0.1	30 to 220F	2	380mm
7112		59 to 71	0.1	30 to 220F	2	380mm
7114		69 to 81	0.1	30 to 220F	2	380mm

+ ITEMS MARKED WITH + AVAILABLE IMMEDIATELY FROM STOCK WITH NIST TRACEABLE CERTIFICATE OF CALIBRATION. ADD '-C' TO CAT. NO



PETROLEUM HYDROMETERS -



ASTM LPG (LIQUIFIED PETROLEUM GAS) HYDROMETER

For testing of LPG in accordance with ASTM Method D-1657

Cat No ASTM 8814 + 101H Scale Range .500 to .650 SG .001

Temp Range 30 to 90F Div 1 Length 355mm

API HYDROMETERS - SHORT FORM

Popular in many applications due to small amount of product sample required to take a reading, these instruments are manufactured to strict ASTM specifications and to KESSLER'S own demanding quality control standards.

ASTM HYDROMETERS - API - 6" LGTH

Cat	No	ASTM	API	Range	Div	Cat No	ASTM	API R	ange Di	V
7500	+	21H	0	to 6	0.1	7530	36H	75 to	81 0.	1
7502	+	22H	5	to 11	0.1	7532	37H	80 to	86 0.	1
7504	+	23H	10	to 16	0.1	7534	38H	85 to	91 0.	1
7506	+	24H	15	to 21	0.1	7536	39H	90 to	96 0.	1
7508	+	25H	20	to 26	0.1	7539		89 to	101 0.	2
7510	+	26H	25	to 31	0.1	7550		-1 to	11 0.	2
7512		27H	30	to 36	0.1	7552		9 to	21 0.	2
7514		28H	35	to 41	0.1	7554		19 to	31 0.	2
7516	+	29H	40	to 46	0.1	7556		29 to	41 0.	2
7518		30H		to 51	0.1	7558		39 to	51 0.	2
7520		31H	50	to 56	0.1	7560		49 to	61 0.	2
7522		32H	55	to 61	0.1	7562		59 to	71 0.	2
7524		33H	60	to 66	0.1	7564		69 to	81 0.	2
7526		34H		to 71	0.1	7566		79 to	91 0.	2
7528		35H		to 76	0.1					

HYDROMETERS - API - 4" LENGTH

Allow accurate testing with an even smaller sample (4oz) than above units.

Cat No	ASTM	API Range	Div	Cat No ASTM	API Range	Div
7500-4		0 to 6	0.1	7528-4	70 to 76	0.1
7502-4		5 to 11	-0.1	7530-4	75 to 81	0.1
7504-4		10 to 16	0.1	7532-4	80 to 86	0.1
7506-4		15 to 21	0.1	7534-4	85 to 91	0.1
7508-4		20 to 26	0.1	7539-4	89 to 101	0.2
7510-4		25 to 31	0.1	7550-4	-1 to 11	0.2
7512-4		30 to 36	0.1	7552-4	9 to 21	0.2
7514-4		35 to 41	0.1	7554-4	19 to 31	0.2
7516-4		40 to 46	0.1	7556-4	29 to 41	0.2
7518-4		45 to 51	0.1	7558-4	39 to 51	0.2
7520-4		50 to 56	0.1	7560-4	49 to 61	0.2
7522-4		55 to 61	0.1	7562-4	59 to 71	0.2
7524-4		60 to 66	0.1	7564-4	69 to 81	0.2
7526-4		65 to 71	0.1	7566-4	79 to 91	0.2

SHORT FORM THERMO-HYDROMETERS

Approximately 190mm (7-1/2") Length. Thermometer in body.

Cat	No	ASTM	API R	ange	Div	Temp	Range	Div	Length
7600			-1 to	11	0.2	0 to	130F	2	190mm
7602			9 to	21	0.2	0 to	130F	2	190mm
7604	+		19 to	31	0.2	0 to	130F	2	190mm
7606	+		29 to	41	0.2	0 to	130F	2	190mm
7608	+		39 to	51	0.2	0 to	130F	2	190mm
7610	+		49 to	61	0.2	0 to	130F	2	190mm
7612			59 to	71	0.2	0 to	130F	2	190mm
7614			69 to	81	0.2	0 to	130F	2	190mm
7616			79 to	91	0.2	0 to	130F	2	190mm
7618			89 to	101	0.2	0 to	130F	2	190mm

+ ITEMS MARKED WITH + AVAILABLE IMMEDIATELY FROM STOCK WITH NIST TRACEABLE CERTIFICATE OF CALIBRATION. ADD '-C' TO CAT. NO



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ASTM METRIC DENSITY HYDROMETERS

Developed jointly with ISO (International Standards Organization) standards to serve those users involved in the international transport of petroleum products, this series has been adopted by ASTM and their use sanctioned as the metric standard for petroleum hydrometers. All comply with the demanding specifications set forth in ASTM E-100-91.

Graduated in Kg/M3 (Kilograms per cubic meter) @ 15 Deg C for petroleum products.

ASTM METRIC DENSITY HYDROMETERS

Cat	No		ASTM	Densi	ty	Range	Div	Length
7702			311H	600	to	650	0.5	330mm
7704			312H	650	to	700	0.5	330mm
7706			313H	700	to	750	0.5	330mm
7708		+	314H	750	to	800	0.5	330mm
7710		+	315H	800	to	850	0.5	330mm
7712			316H	850	to	900	0.5	330mm
7714			317H	900	to	950	0.5	330mm
7716			318H	950	to	1000	0.5	330mm
7718			319H	1000	to	1050	0.5	330mm
7720			320H	1050	to	1100	0.5	330mm

ASTM METRIC THERMOHYDROMETERS

Thermometer in body.

Cat	N	0	ASTM*	Density	,	Range	Div	Temp	R	ange	Div	Length
7802			300HL	600	to	650	0.5	-20	to	65C	1	380mm
7804		+	301HL	650	to	700	0.5	-20	to	65C	1	380mm
7806	,	+	302HL	700	to	750	0.5	-20	to	65C	1	380mm
7806	М		302HM	700	to	750	0.5	0	to	85C	1	380mm
7808	3	+	303HL	750	to	800	0.5	-20	to	65C	1	380mm
7808	M		303HM	750	to	800	0.5	0	to	85C	1 .	380mm
7810)	+	304HL	800	to	850	0.5	-20	to	65C	1	380mm
7810	M		304HM	800	to	850	0.5	0	to	85C	1	380mm
7812	L	+	305HL	850	to	900	0.5	-20	to	65C	1	380mm
7812	1		305HM	850	to	900	0.5	0	to	85C	1	380mm
7814	L	+	306HL	900	to	950	0.5	-20	to	65C	1	380mm
7814			306HM	900	to	950	0.5	0	to	85C	1	380mm
7816	L	+	307HL	950	to	1000	0.5	-20	to	65C	1	380mm
7816			307HH	950	to	1000	0.5	+20	to	105C	1	380mm
7818	3		308HH	1000	to	1050	0.5	+20	to	105C	1	380mm
7818	L		308HL	1000	to	1050	0.5	-20	to	65C	1	380mm
7820)		309HH	1050	to	1100	0.5	+20	to	105C	1	380mm
7820	L		309HL	1050	to	1100	0.5	-20	to	65C	1	380mm

ASTM SPECIFIC GRAVITY SERIES

Specific Gravity hydrometers 60/60F as specified in ASTM E-100-91.

lo	ASTM	Gravity	, 1	Range	Div	Length	
		.600	to	.650	.0005	330mm	
	82H	.650	to	.700	.0005	330mm	
	83H	.700	to	.750	.0005	330mm	
		.650	to	.750			
	84H	.750	to	.800	.0005	330mm	
		.750	to	.850			
+	85H	.800	to	.850	.0005	330mm	
+	86H	.850	to	.900	.0005	330mm	
+	87H	.900	to	.950	.0005	330mm	
	88H	.950	to	1.000	.0005	330mm	
+	89H	1.000	to	1.050	.0005	330mm	
	90H	1.050	to	1.100	.0005	330mm	
	98H	.950	to	1.000	.0005	330mm	
	· •	82H 83H 84H + 85H + 86H + 87H 88H + 89H 90H	.600 82H .650 83H .700 .650 84H .750 .750 + 85H .800 + 86H .850 + 87H .900 88H .950 + 89H 1.000 90H 1.050	82H .650 to 83H .700 to .650 to .650 to .650 to .750 to .750 to + 85H .800 to + 86H .850 to + 87H .900 to .88H .950 to + 89H 1.000 to .90H 1.050 to	.600 to .650 82H .650 to .700 83H .700 to .750 .650 to .750 84H .750 to .800 .750 to .850 + 85H .800 to .850 + 86H .850 to .900 + 87H .900 to .950 88H .950 to 1.000 + 89H 1.000 to 1.050 90H 1.050 to 1.100	.600 to .650 .0005 82H .650 to .700 .0005 83H .700 to .750 .0005 .650 to .750 84H .750 to .800 .0005 .750 to .850 + 85H .800 to .850 .0005 + 86H .850 to .900 .0005 + 87H .900 to .950 .0005 88H .950 to 1.000 .0005 + 89H 1.000 to 1.050 .0005 90H 1.050 to 1.100 .0005	.600 to .650 .0005 330mm 82H .650 to .700 .0005 330mm 83H .700 to .750 .0005 330mm .650 to .750 84H .750 to .800 .0005 330mm .750 to .850 + 85H .800 to .850 .0005 330mm + 86H .850 to .900 .0005 330mm + 87H .900 to .950 .0005 330mm 88H .950 to 1.000 .0005 330mm + 89H 1.000 to 1.050 .0005 330mm 90H 1.050 to 1.100 .0005 330mm

⁺ ITEMS MARKED WITH + AVAILABLE IMMEDIATELY FROM STOCK WITH NIST TRACEABLE CERTIFICATE OF CALIBRATION. ADD '-C' TO CAT. NO



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email: sales@evapetromarine.com

ASTM SPECIFIC GRAVITY SERIES (CONTINUED) Specific gravity hydrometers 60/60F as specified in ASTM E-100-91. All suitable for certification.

Cat No ASTM Gravity Rang 8030 102H .650 to .700	
8030 102H 650 to 700	e Div Length
10211 .030 .0 .100	.001 260mm
8032 103H .700 to .750	.001 260mm
8034 + 104H .750 to .800	.001 260mm
8036 105H .800 to .850	
8038 106H .850 to .900	
8040 107H .900 to .950	
8042 108H .950 to 1.00	
Cat No ASTM Gravity Rang	e Div Length
8200 + 111H 1.000 to 1.05	
8202 + 112H 1.050 to 1.10	
8204 + 113H 1.100 to 1.15	
8206 + 114H 1.150 to 1.20	
8208 + 115H 1.200 to 1.25	
8210 + 116H 1.250 to 1.30	
8212 + 117H 1.300 to 1.35	
8214 + 118H 1.350 to 1.40	
8216 119H 1.400 to 1.45	
8218 120H 1.450 to 1.50	
1.430 (0 1.50	.0005
Cat No ASTM Gravity Rang	e Div Length
8230 + 125H 1.000 to 1.05	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10	
8230 + 125H 1.000 to 1.05	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10	0 .001 260mm 0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20	0 .001 260mm 0 .001 260mm 0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25	0 .001 260mm 0 .001 260mm 0 .001 260mm 0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25	0 .001 260mm 0 .001 260mm 0 .001 260mm 0 .001 260mm 0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30	0 .001 260mm 0 .001 260mm 0 .001 260mm 0 .001 260mm 0 .001 260mm 0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60 8254 137H 1.600 to 1.65	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60 8254 137H 1.600 to 1.65 8256 + 138H 1.650 to 1.70	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60 8254 137H 1.600 to 1.65 8256 + 138H 1.650 to 1.70 8258 + 139H 1.700 to 1.75	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60 8254 137H 1.600 to 1.65 8256 + 138H 1.650 to 1.70 8258 + 139H 1.700 to 1.75 8260 + 140H 1.750 to 1.80	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60 8254 137H 1.600 to 1.65 8256 + 138H 1.650 to 1.70 8258 + 139H 1.700 to 1.75 8260 + 140H 1.750 to 1.80 8262 141H 1.800 to 1.85	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60 8254 137H 1.600 to 1.65 8255 + 138H 1.650 to 1.70 8258 + 139H 1.700 to 1.75 8260 + 140H 1.750 to 1.80 8262 141H 1.800 to 1.85 8264 + 142H 1.850 to 1.90	0 .001 260mm
8230 + 125H 1.000 to 1.05 8232 + 126H 1.050 to 1.10 8234 + 127H 1.100 to 1.15 8236 + 128H 1.150 to 1.20 8238 + 129H 1.200 to 1.25 8240 + 130H 1.250 to 1.30 8242 + 131H 1.300 to 1.35 8244 132H 1.350 to 1.40 8246 + 133H 1.400 to 1.45 8248 + 134H 1.450 to 1.50 8250 + 135H 1.500 to 1.55 8252 136H 1.550 to 1.60 8254 137H 1.600 to 1.65 8256 + 138H 1.650 to 1.70 8258 + 139H 1.700 to 1.75 8260 + 140H 1.750 to 1.80 8262 141H 1.800 to 1.85	0 .001 260mm

6" SPECIFIC GRAVITY HYDROMETERS SEQUENTIAL RANGES 60/60F

6" HYDROMETERS in .070 SG RANGES

							12 ACC - CONT.		
Cat	NO	Gravi	ty	Range	Div	Cat No	Gravity	Range	Div
8140		.590	to	.660	0.001	8291	1.300 to	1.370	0.001
8141		.650	to	.710	0.001	8292	1.360 to	1.430	0.001
8142		.700	to	.770	0.001	8293	1.420 to	1.490	0.001
8143		.760	to	.830	0.001	8294 +	1.480 to	1.550	0.001
8144		.820	to	.890	0.001	8295	1.540 to	1.610	0.001
8145		.880	to	.950	0.001	8296	1.600 to	1.670	0.001
8146		.940	to	1.010	0.001	8297	1.660 to	1.730	0.001
8286	+	1.000	to	1.070	0.001	8298	1.720 to	1.790	0.001
8287		1.060	to	1.130	0.001	8299	1.780 to	1.850	0.001
8288		1.120	to	1.190	0.001	8301	1.840 to	1.920	0.001
8289		1.180	to	1.250	0.001	8303	1.910 to	1.980	0.001
8290		1.240	to	1.310	0.001				

+ ITEMS MARKED WITH + AVAILABLE IMMEDIATELY FROM STOCK WITH NIST TRACEABLE CERTIFICATE OF CALIBRATION. ADD '-C' TO CAT. NO Page 42





6" HYDROMETERS - . 100 SG RANGES

Cat	No	Gravi	ty	Range	Div	, Cat No	Gravity	Range	Div
8100		.600	to	.710	.002	8306	1.300 to	1.410	.002
8102		.700	to	.810	.002	8308	1.400 to	1.510	.002
8104	+	.800	to	.910	.002	8310	1.500 to	1.610	.002
8106	+	.900	to	1.010	.002	8312	1.600 to	1.710	.002
8300		1.000	to	1.110	.002	8314	1.700 to	1.810	.002
8302		1.100	to	1.210	.002	8316	1.800 to	1.910	.002
8304		1.200	to	1.310	.002	8318	1.900 to	2.010	.002

6" HYDROMETERS - . 200 SG RANGES

Cat No	Gravity	Range	Div	Cat No	Gravity	Range	Div
8320	1.000 to	1.220	.005	8326	1.600 to	1.820	.005
8322	1.200 to	1.420	.005	8328	1.800 to	2.000	.005
8324	1.400 to	1.620	.005	8321	1.100 to	1.300	.005

LONG SPECIFIC GRAVITY HYDROMETERS SEQUENTIAL RANGES 60/60F

13" HYDROMETERS - .070 SG RANGES

Cat	No	Gravi	ty	Range	Div	Cat No	Gravity	Range	Div
8147		.600	to	.660	.0005	8275 +	1.300 to	1.370	.0005
8148		.650	to	.710	.0005	8276	1.360 to	1.430	.0005
8149		.700	to	.770	.0005	8277 +	1.420 to	1.490	.0005
8150		.760	to	.830	.0005	8278 +	1.480 to	1.550	.0005
8151		.820	to	.890	.0005	8279	1.540 to	1.610	.0005
8152		.880	to	.950	.0005	8280 +	1.600 to	1.670	.0005
8153		.940	to	1.010	.0005	8281	1.660 to	1.730	.0005
8270	+	1.000	to	1.070	.0005	8282	1.720 to	1.790	.0005
8271	+	1.060	to	1.130	.0005	8283 +	1.780 to	1.850	.0005
8272	+	1.120	to	1.190	.0005	8284	1.840 to	1.920	.0005
8273		1.180	to	1.250	.0005	8285	1.910 to	1.980	.0005
8274		1.240	to	1.310	.0005	1			

12" HYDROMETERS - . 100 SG RANGES

Cat	No	Gravit	У	Range	Div	Cat No	Gravi	ty	Range	Div
8130		.600	to	.710	.001	8356 +	1.300	to	1.410	.001
8132	+	.700	to	.810	.001	8358 +	1.400	to	1.510	.001
8134	+	.800	to	.910	.001	8360 +	1.500	to	1.610	.001
8136	+	.900	to	1.000	.001	8362 +	1.600	to	1.710	.001
8350	+	1.000	to	1.110	.001	8364 +	1.700	to	1.810	.001
8352	+	1.100	to	1.210	.001	8366 +	1.800	to	1.910	.001
8354	+	1.200	to	1.310	.001	8368 +	1.900	-		.001

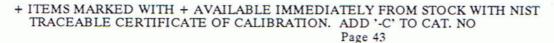
12" HYDROMETERS - .200 SG RANGES

Cat No	Gravity Range	Div	Cat No	Gravity Range	Div
8369	.900 to 1.100	.002	8378	1.800 to 2.010	.002
8370	1.000 to 1.220	.002	8382	2:000 to 2.200	.002
8371	1.100 to 1.300	.002	8384	2.200 to 2.400	.002
8372	1.200 to 1.420	.002	8386	2.400 to 2.600	.002
8373	1.300 to 1.500	.002	8388	2.600 to 2.800	.002
8374	1.400 to 1.620	.002	8390	2.800 to 3.000	.002
8376 +	1,600 to 1,820	.002	100000000000000000000000000000000000000		

12" HYDROMETERS - SPINDLE (very long) RANGES

A spindle hydrometer allows the user to easily ascertain the gravity of an unknown solution, so that a more precise hydrometer can be used for the actual measurement

Solution	, so that a	more precisi	e mydroineter	can be used	i for the ac	tual ineas	urement.
Cat No	Gravity	Range	Div	Cat No	Gravity	Range	Div
8379	1.000 to	1.600	.005	8396	.650 to	1.000	0.1
8380 +	1.000 to	2.000	.010	8398	.700 to	1.000	.005
8392	2.000 to	3.000	010				1000000









DUAL SCALE SPECIFIC GRAVITY & BAUME

SPECIFIC GRAVITY, perhaps the most commonly used scientific scale, is expressed as the ratio of the mass (weight) of a given volume of liquid to the identical volume of water, both liquids usually at an equal temperature, most often 60F (15.56C).

BAUME is most often used in the chemical industry. The Baume Scale is expressed as 'Light' for liquids with a gravity below 1.000 SG, or 'Heavy' for liquids with a gravity heavier than 1.000 SG. In the abscence of the designation 'light' or 'heavy', it is assumed to be heavy. Baume Light (BL) is defined as BL=(140/SG)-130

Baume Heavy (BH) is defined as BH=145-(145/SG)

SPECIFIC GRAVITY & BAUME LIGHT

Cat No	Specific	Gravity	Baume	Light	Div, S.G.	Div, Baume	Length
8799.6	.600 to	1.000	100 to	10	.005	1.0	12"
8799.8	.650 to	1.000	85 to	10	.005	1.0	12"
8800	.700 to	.810	70 to	45	.001	0.5	12"
8801	.700 to	.860	70 to	35	.002	0.5	12"
8805	.700 to	1.000	70 to	10	.005	1.0	12"
8804	.800 to	1.000	45 to	10	.005	1.0	12"
8802	.800 to	.910	45 to	25	.001	0.2	12"
8802.5	.840 to	1.000	37 to	10	.002	0.5	12"
8803	.900 to	1.010	25 to	10	.001	0.2	12"

6" LENGTH SPECIFIC GRAVITY & BAUME HEAVY

Cat No	Specific	Gravity	Baume Hea	vy Div, S.G.	Div, Baume	Length
8806-6	1.000 to	1.220	0 to 26		0.5	6"
8810.5-6	1.000 to	1.400	0 to 41	.010	1.0	6"
8813-6	1.000 to	2.000	0 to 70	.020	1.0	6"
8807-6	1.200 to	1.420	24 to 43	.005	0.5	6"
8808-6	1.400 to	1.620	42 to 55	.005	0.5	611
8812-6	1.400 to	2.000	40 to 72	.010	1.0	611
8809-6	1.600 to	1.820	54 to 65	.005	0.5	6"
8810-6	1.800 to	2.020	64 to 73	.005	0.5	6"

12" LENGTH SPECIFIC GRAVITY & BAUME HEAVY

Cat No	Specific	Gravity	Baume I	leavy	Div, S.G.	Div, Baume	Length
8806	1.000 to	1.220	0 to	26	.002	0.2	12"
8807	1.200 to	1.420	24 to	43	.002	0.2	12"
8808	1.400 to	1.620	42 to	55	.002	0.2	12"
8809	1.600 to	1.820	54 to	65	.002	0.2	12"
8810	1.800 to	2.020	64 to	73	.002	0.2	12"
8810.5	1.000 to	1.450	0 to	45	.005	0.5	12"
8811	1.000 to	1.600	0 to	55	.010	1.0	12"
8812	1.400 to	2.000	40 to	72	.010	0.5	12"
8813	1.000 to	2.000	0 to	70	.010	1.0	12"

SPINDLE HYDROMETER - (very long) RANGE

A spindle hydrometer allows the user to easily ascertain the gravity of an unknown solution, so that a more precise hydrometer can be used for the actual measurement.

Cat No	Specific Gravity	Baume Heavy	Div, S.G.	Div, Baume	Length
8815	.700 to 2.000	70 Lt to 70 Hvy	.010	1.0	18"

SPINDLE THERMOHYDROMETERS - (very long) RANGES

A spindle hydrometer allows the user to easily ascertain the gravity of an unknown solution, so that a more precise hydrometer can be used for the actual measurement.

Cat No	Specific	Gravity		Baun	ne	Heav	Y	Div, S.G.	Div, Baume	Te	qme	Range
8819	.650 to	1.000	85	Lt	to	10	Lt	.005	0.5	0	to	120F
8820	1.000 to	2.000		0	to	72		.010	1.0	0	to	120F
8821	1.000 to	2.000						.010		0	to	120F
8822	.650 to	1.000						.005		0	to	120F



