

НТ, НУ

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

Hydrometers

General Purpose

Relative Density (Specific Gravity) Hydrometers Calibrated at 60/60°F

Wide range (200° range)

Length 300mm. Subdivision 0.002.

HT100-10	0.600 to 0.800
HT100-12	0.800 to 1.000
HT100-14	1.000 to 1.200
HT100-16	1.200 to 1.400

HT100-18	1.400 to 1.600
HT100-20	1.600 to 1.800
HT100-22	1.800 to 2.000

Extra wide range

Length 300mm. Subdivision 0.005.

HT110-13	0.700 to 1.000
HT110-15	1.000 to 1.300
HT110-17	1.000 to 1.500
HT110-19	1.300 to 1.600
HT110-21	1.500 to 2.000

Universal

Length 400mm. Subdivision 0.010.

HT120-25	0.700 to 2.000
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Battery Hydrometer – see *BL710-08*.

Density Meter – see *DC380*.

Milk Hydrometer – see *DA210* in the Dairy section.

Soil Hydrometer – see *SG640* in the Soil Testing section.

Special IP/ASTM/API Petroleum Hydrometers – Details on request.

Urine Hydrometer – see *CM850* in the Clinical section.

BS718 Series

Density g/ml at 20°C

Ranges 0.6 to 1.0 are adjusted for liquids of low surface tension. Ranges 1.0 to 2.0 are adjusted for liquids of medium surface tension.

Series S50 (50° range)

Length 190mm. Subdivision 0.002.

HT250-10	0.600 to 0.650
HT250-12	0.650 to 0.700
HT250-14	0.700 to 0.750
HT250-16	0.750 to 0.800

HT250-18	0.800 to 0.850
HT250-20	0.850 to 0.900
HT250-22	0.900 to 0.950
HT250-24	0.950 to 1.000

HT250-26	1.000 to 1.050
HT250-28	1.050 to 1.100
HT250-30	1.100 to 1.150
HT250-32	1.150 to 1.200

HT250-34	1.200 to 1.250
HT250-36	1.250 to 1.300
HT250-38	1.300 to 1.350
HT250-40	1.350 to 1.400

HT250-42	1.400 to 1.450
HT250-44	1.450 to 1.500
HT250-46	1.500 to 1.550
HT250-48	1.550 to 1.600

HT250-50	1.600 to 1.650
HT250-52	1.650 to 1.700
HT250-54	1.700 to 1.750
HT250-56	1.750 to 1.800

HT250-58	1.800 to 1.850
HT250-60	1.850 to 1.900
HT250-62	1.900 to 1.950
HT250-64	1.950 to 2.000

Series M50 (50° range)

Length 270mm. Subdivision 0.001.

HT254-10	0.600 to 0.650
HT254-12	0.650 to 0.700
HT254-14	0.700 to 0.750
HT254-16	0.750 to 0.800

HT254-18	0.800 to 0.850
HT254-20	0.850 to 0.900
HT254-22	0.900 to 0.950
HT254-24	0.950 to 1.000

HT254-26	1.000 to 1.050
HT254-28	1.050 to 1.100
HT254-30	1.100 to 1.150
HT254-32	1.150 to 1.200

HT254-34	1.200 to 1.250
HT254-36	1.250 to 1.300
HT254-38	1.300 to 1.350
HT254-40	1.350 to 1.400

HT254-42	1.400 to 1.450
HT254-44	1.450 to 1.500

Series M100 (100° range)

Length 250mm. Subdivision 0.002.

HT260-11	0.600 to 0.700
HT260-13	0.700 to 0.800
HT260-15	0.800 to 0.900
HT260-17	0.900 to 1.000

HT260-19	1.000 to 1.100
HT260-21	1.100 to 1.200
HT260-23	1.200 to 1.300
HT260-25	1.300 to 1.400

HT260-27	1.400 to 1.500
HT260-29	1.500 to 1.600
HT260-31	1.600 to 1.700
HT260-33	1.700 to 1.800

HT260-35	1.800 to 1.900
HT260-37	1.900 to 2.000



HT100

HT110

HT120

HT250, HT254 are similar

HT260



DC380

Hydrometers

Petroleum

Petroleum Hydrometers to BS718-ISO649

Density g/ml at 15°C for liquids of low surface tension.

Series L50SP. Subdivision 5. 335mm long

HT285-10	0.600 to 0.650
HT285-12	0.650 to 0.700
HT285-14	0.700 to 0.750
HT285-16	0.750 to 0.800
HT285-18	0.800 to 0.850

HT285-20	0.850 to 0.900
HT285-22	0.900 to 0.950
HT285-24	0.950 to 1.000
HT285-26	1.000 to 1.050
HT285-28	1.050 to 1.100

Series M50SP. Subdivision 1. 270mm long

HT290-10	0.600 to 0.650
HT290-12	0.650 to 0.700
HT290-14	0.700 to 0.750
HT290-16	0.750 to 0.800
HT290-18	0.800 to 0.850

HT290-20	0.850 to 0.900
HT290-22	0.900 to 0.950
HT290-24	0.950 to 1.000
HT290-26	1.000 to 1.050
HT290-28	1.050 to 1.100

Density

Density Hydrometers calibrated at 15.6°C (60°F)

Twaddels

For liquids heavier than water. Subdivision 1.0° Tw.

Length 170mm

HT300-10	No. 1, 0 to 24° Tw
HT300-14	No. 2, 24 to 48° Tw
HT300-18	No. 3, 48 to 74° Tw

HT300-22	No. 4, 74 to 102° Tw
HT300-26	No. 5, 102 to 138° Tw
HT300-30	No. 6, 138 to 170° Tw

Length 280mm

HT310-11	No. 1, 0 to 24° Tw
HT310-15	No. 2, 24 to 48° Tw
HT310-19	No. 3, 48 to 74° Tw

HT310-23	No. 4, 74 to 102° Tw
HT310-27	No. 5, 102 to 138° Tw
HT310-31	No. 6, 138 to 170° Tw

Baumé, heavy

For liquids heavier than water. With lengths as indicated.

HT330-10	0 to 10 x 0.1° Bé, 295mm
HT330-32	0 to 30 x 0.5° Bé, 280mm
HT330-50	0 to 50 x 1.0° Bé, 230mm
HT330-70	0 to 70 x 1.0° Bé, 230mm

Latexometer

For determination of the dry rubber content of latex. Calibration temperature 28.9°C. Range 50 to 250 grams per litre. Length 260mm.

HT370-08	Latexometer
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Plastic

NALGENE® 

Hydrometers, Nalgene 3630-series

Plain form, break-resistant polycarbonate. Excellent alternative to glass, particularly in safety-critical areas such as food or beverage testing.

Specific Gravity

Subdivision 2. For liquids heavier than water.

	Range, s.g.
HT374-16	1.200 to 1.420
HT374-18	1.400 to 1.620

Hydrometer Jars

Glass, with spout and base

	Ht. x dia. mm
HT400-20	150 x 38
HT404-20	200 x 38
HT404-25	200 x 50
HT404-30	200 x 63
HT406-20	250 x 38
HT406-25	250 x 50
HT408-25	300 x 50
HT408-30	300 x 63
HT408-35	300 x 75
HT410-30	350 x 63
HT412-25	400 x 50
HT412-30	400 x 63



HT300 HT310, HT285/290 are similar

HT370



HT370



HT374



HT400/412 with Hydrometer in use

Hygrometers

Hair and Fibre

Thermohygrometer, hair/bimetal

Scaled 10 to 100% x 1% RH and with bimetallic thermometer, temperature scale -15 to +55°C. Brass finish case 100mm diameter with hanging ring.

HY160-25 Hair/bimetal hygrometer

Thermohygrometer, synthetic hair/bimetal

Scaled 0 to 100% x 1% RH and with bimetallic thermometer, temperature scale -15 to +55°C x 1°C. With plastic housing, 100mm diameter, removable bench stand and keyhole at the rear for wall hanging.

HY170-30 Thermohygrometer



HY160-25



HY170-30 on bench mount

Wet/Dry Bulb

Hygrometer, Mason's

With red spirit filled, wet and dry bulb thermometers mounted in a yellow plastic case with hanging slot. Dual scale -50 to +50°C and -58 to 122°F. With reservoir and wick.

HY200-11 Mason's hygrometer

HY202-04 Spare wicks, pack of 10

Hygrometer, whirling

With -5 to +50°C thermometers to BS2842. Thermometers are 100mm scale length, with lens fronts and subdivided 0.5°C. Mounted in a plastic frame which can be whirled around the handle. With reservoir, fabric sleeve for wet bulb and simple slide rule to calculate RH from thermometer readings.

HY219-24 Whirling hygrometer, spirit filled thermometers

HY219-43 Spare wicks for wet bulb, pack of 25

HY219-46 Accessory carrying case for HY219-24

Additional meteorological equipment can be found in the following sections:

- Anemometers
- Barometers
- Measures
- Thermometers
- Water Testing



HY200



HY219

Hygrometers

Thermohygrometers

Digital Memory Thermohygrometer

Ranges -10 to +60°C (-14 to 140°F) and 10% to 99% RH resolution 0.1°C/°F, 1% RH. With built-in sensors and dual 12mm high LCD readout. The upper display shows temperature and the lower display relative humidity. A max./min. memory function is provided which allows the maximum and minimum recorded values for both parameters to be recalled and displayed, the user then has the option to reset. Overall 70 x 20 x 110mm W x D x H. Weight 113g. Wall or bench mounting. Supplied with 1 x 1.5V AAA battery.

HY390-20 Digital memory thermohygrometer

BL610-08 Battery, 1.5V AAA

Digital Thermohygrometer, certified

Ranges: temperature -10 to +50°C (internal), -50 to +70°C (external probe) x 0.1°C, humidity 20 to 99% R.H. (internal) x 1% R.H., . With twin line display of unit temperature, unit humidity or probe temperature and clock. The attached probe with 2m cable allows remote monitoring of a refrigerator, freezer or outdoor temperature with Max./Min. function. Supplied with wall hanger, folding table stand, 1.5V AA battery and manufacturer's certificate of calibration (two point - thermometer only) traceable to national and international standards, including NPL and NIST. Overall H x W x D (unit) 103 x 98 x 21mm, weight 121g.

HY407-15 Certified thermohygrometer

BL610-08 Battery, 1.5V AAA

Thermohygrometer, Testo 610

Rugged, pocket-sized meter with integral combined R.H./Temperature sensor. LCD readout displays % R.H. or wet bulb or dewpoint and temperature (°C/°F switchable). With "Hold" and "max./min." functions. Stainless metal display and keypad surround includes on/off, mode and 'hold' buttons.

As described. Supplied with calibration protocol, wrist strap, belt clip holder,

Model	Testo 610	
Range (resolution)	%RH	0 to +100 (0.1)
	°C	-10 to +50 (0.1)
Accuracy	%RH	±2.5 (5 to +95)
	°C	±0.5
Overall L x W x D	mm	119 x 46 x 25
Weight	g	90
Power	2 x 1.5V AAA batteries	

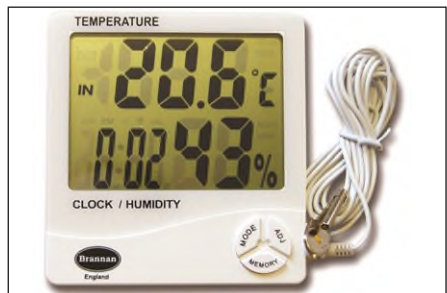
metal protection shroud for the display and keyboard and 2 x 1.5V AAA batteries.

HY440-10 Testo 610

BL610-08 Battery, 1.5V AAA (2 required)



HY390



HY407



HY440-10



HY470

Thermohygrometer, Testo 625

Compact instrument with built-in probe, providing precise measurement and simultaneous display of air, humidity and temperature.

- ◆ Displays temperature and R.H. or wet bulb temperature and dew point
- ◆ Max./Min. values registered
- ◆ Illuminated display

Model	Testo 625	
Ranges	%RH	0 to +100
	°C	-10 to +60
Accuracy (at 25°C, ± 1 sig. digit)	%RH	±2.5 (+5 to +95)
	°C	±0.5
Overall L x W x D	mm	182 x 64 x 40
Weight	g	195
Power	9V PP3 battery	

As described. Supplied with probe, 9V battery and operation manual.

HY470-30 Testo 625

Spares and accessories

HY472-08 TopSafe protection boot, protects against impacts and dirt

BL610-25 Spare battery, 9V

Hygrometers

Electronic Humidity Meters

HANNA

Thermohygrometer, Hanna HI-9564 and HI-9565

For routine measurement of humidity and temperature (HI-9565 additionally includes a dewpoint measurement). Water resistant membrane keypad. Ranges 20 to 95%RH and 0 to +60°C, using a detachable combined RH /temperature probe with thin-film polymer sensor. The display is switchable between %RH, °C and °F.

Model	HI-9564	HI-9565
Ranges	%RH	20 to 95 — both models
	°C	0 to +60 — both models
	°F	+32 to +140 — both models
Dewpoint	°C	—
	°C	-20 to +60
	°F	-4 to +140
Resolution (accuracy)	%RH	0.1 (±3) — both models
	°C	0.1 (±0.5) — both models
	°F	0.1 (±1) — both models
Dewpoint	°C	—
	°C	0.1 (±2)
	°F	0.1 (±4)
Overall L x W x D	mm	164 x 76 x 45 — both models
Weight	g	340 — both models
Power		1 x 9V PP3 battery (auto shut-off after 20 minutes of non-use) — both models

As described. With detachable, combined RH/ temperature probe with 1m cable, battery and instructions.

HY525-50 HI-9564

HY525-55 HI-9565

Spares

HY528-12 RH/temperature probe, with 1m cable

BL610-25 Spare battery, 9V



HY525-50, HY525-55 is similar

Anemometer 410-2



Anemometer/Thermohygrometer, Testo 410-2

Rugged, pocket-sized meter with integral vane anemometer, humidity and temperature sensors with LCD readout of wind, airflow, or humidity and temperature. With timed mean value calculations, hold function, max./min. values and windchill calculation. Stainless metal display and keyboard surround includes on/off, mode and 'hold' buttons.

Airflow	range	m/s	0.4 to 20
	resolution	m/s	0.1
	accuracy	m/s	±0.2
	units		m/s, km/h, mph, knots, Beaufort, perceived temperature (windchill)
Temperature	range	°C	-10 to +50
	resolution	%	0.1
	accuracy	%	±0.5
	units		°C/°F
Humidity	range	% R.H.	0 to 100
	resolution	% R.H.	0.1
	accuracy	% R.H.	±2.5 (5 to 95% R.H.)
	units		% R.H. wet bulb, dew point
Overall, L x W x D	mm	133 x 46 x 25	
Weight	g	90	
Power		2 x 1.5V AAA batteries	

As described. Supplied with calibration protocol, wrist strap, belt clip holder, metal protection shroud for the display and keyboard and 2 x 1.5V AAA batteries.

AN458-30 Testo 410-2

BL610-08 Spare 1.5V AAA battery (2 required)



AN458-30

Hygrometers

Humidity/Temperature Datalogger 174H



Compact, economical, twin-channel datalogger for monitoring temperature and humidity in various applications.

- ◆ Non-volatile memory, even when battery exhausted
- ◆ Internal NTC temperature and capacitive humidity sensors
- ◆ Large LCD readout of either temperature or humidity, alarm and battery status indicators
- ◆ Data transfer via USB interface which also enables programming
- ◆ Push-button start
- ◆ IP20 protection class casing
- ◆ Battery powered with easy replacement

Model	174H	
Measuring Ranges (resolution)	%RH °C	0 to 100.0 (0.1) -20 to +70 (0.1)
Accuracy	±%RH ±°C	3, ±1 digit +0.03%RH/K 0.5
Maximum storage	16,000 readings	
Measuring time cycle	Adjustable 1 minute to 24 hours	
Overall W x D x H	mm	59 x 37 x 16
Weight	g	25
Power supply	2 x CR2032 lithium battery giving approximately 365 days operation	

As described. With wall holder, USB interface port, receiver and cable, and 2 x batteries. Requires Comsoft basic download/programming software (free, internet download).

- HY618-15** Testo 174H set
- HY618-19** Testo 174H logger only

Accessories

- HY618-24** Accessory interface port receiver and cable, without software
- BL590-15** Spare battery (2 required)



HY618

Humidity/Temperature Datalogger 175 H1



Long term, reliable, 2-channel (humidity and temperature) logger with robust ABS housing, push button start and flexible data handling options. Features external humidity and temperature sensor which provides rapid response, adjustable measuring period from 10 seconds to 24 hours, alarm settings and digital display.

- ◆ Large, easily visible display
- ◆ Reliable, long working life
- ◆ Internal interfaces for both USB and SD card data collection
- ◆ Compact, robust housing

Model	175 H1	
Ranges (resolution)	%RH °C	0 to 100 (1.0) -20 to +55 (0.1)
Accuracy	±%RH ±°C	2, ±1 digit +0.03%RH/K 0.4
Maximum storage	1 million readings	
Overall W x D x H	mm	53 x 27 x 149
Weight	g	150
Power supply	3 x 1.5V AAA batteries giving up to 3 years operation	

As described. Supplied with both USB and SD card data collection interfaces, wall holder, batteries and instructions. Requires, but is not supplied with, either an accessory USB cable or SD card for data transfer.

HY620-25 Testo 175 H1

Accessories

- TJ847-87** USB cable for connecting 175 datalogger to the user's PC
- BL610-08** 1.5V AAA battery (3 required)

SD cards - local purchase is recommended.

Comsoft 4 Professional software

With data handling, database, graphical and trend analysis functions for Windows™ OS.

TJ847-98 Comsoft 4



HY620-25

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