



THERMOHYGROGRAPHS

Thermohygrographs continuously record both the temperature and the relative humidity of the atmosphere against time by drawing coloured traces onto a chart. There are two models available; the 'standard' and the 'deluxe'. The Thermohygrograph standard model is the more practical instrument and is slightly more accurate on temperature.

The deluxe model is more elegant in appearance and is generally used in public areas such as receptions, public buildings, museums and libraries. Both styles are provided with a daily/weekly/monthly quartz clock, which can be set by the user.

Applications

- Museums
- Libraries
- Storage areas

Applicable Standards

BS 1339 Definitions, formulae and constants relating to the humidity of air

Application story – The National Museum of Science and Industry

Established in 1857 as the South Kensington Museum, the Science Museum in London is a major attraction to all ages of visitor interested in science, medicine, technology and industry and serves over 1.5 million visitors every year.

With such a broad diversity of priceless and often unique exhibits, many of which date back hundreds of years, artefact

conservation and protection is a primary concern. Like many museums around the world, the Science Museum in London has used Casella CEL Thermohygrographs for a number of years. The temperature and humidity levels taken from these instruments, are crucial in helping to maintain the correct environment for preservation of the museum's valuable exhibits.



Specification	THERMOHYGROGRAPH		
STANDARD MODEL			
Accuracy	Temperature: ±1% of full scale Humidity: ±3% between 20 and 80%RH		
Range	Temperature: 50°C span between -10°C and +50°C (see chart range below) Humidity: 0 to 100%RH		
Time scale	Daily: 25 hrs @ 11.25mm/hr Weekly: 168 hours @ 1.6mm/hr Monthly: 31 days @ 8mm/day		
Sensitivity	1°C = 1.64mm, 1%RH = 0.82mm		
Chart size	300 x 90mm		
Dimensions	350 x 150 x 160mm		
Weight	3.2kg		
DELUXE MODEL			
Accuracy	Temperature: ±2% of full scale Humidity: ±3% between 20 and 80%RH		
Range	Temperature: 50°C span between -10°C and +50°C (see chart range below) Humidity: 0 - 100%RH		
Time scale	Daily: 25 hrs @ 11.25mm/hr Weekly: 168 hours @ 1.6mm/hr Monthly: 31 days @ 8mm/day		
Sensitivity	1°C = 1.64mm, 1%RH = 0.82mm		
Chart size	300 x 90mm		
Dimensions	300 x 165 x 145mm		
Weight	3.62kg		
Ordering Information			
STANDARD MODEL			
Thermohygrograph with 2 pens each for temperature & humidity	M109014		
Thermohygrograph with 2 pens each for temperature & humidity and calibration certificate	M109015		
All charts must be ordered separately			
Box of 200 daily charts, 0 to +50°C, 0 to 100%RH (chart ref. no: 449)	M107404		
Box of 200 daily charts, -10 to +40°C, 0 to 100%RH (chart ref. no: 450)	M107405		
Box of 200 weekly charts, 0 to +50°C, 0 to 100%RH (chart ref. no: 513)	M107408		
Box of 200 weekly charts, -10 to +40°C, 0 to 100%RH (chart ref. no: 514)	M107409		
Box of 200 monthly charts, 0 to +50°C, 0 to 100%RH (chart ref. no: 617)	M107415		
Box of 200 monthly charts, -10 to +40°C, 0 to 100%RH (chart ref. no: 613)	M107414		
DELUXE MODEL			
Thermohygrograph with 2 pens each for temperature & humidity	M109016		
Thermohygrograph with 2 pens each for temperature & humidity and calibration certificate	M109017		
All charts must be ordered separately			
Box of 200 daily charts, 0 to +50°C, 0 to 100%RH (chart ref. no: 700)	M107301		
Box of 200 daily charts, -10 to +40°C, 0 to 100%RH (chart ref. no: 705)	M107302		
Box of 200 weekly charts, 0 to +50°C, 0 to 100%RH (chart ref. no: 720)	M107304		
Box of 200 weekly charts, -10 to +40°C, 0 to 100%RH (chart ref. no: 725)	M107305		
Box of 200 monthly charts, 0 to +50°C, 0 to 100%RH (chart ref. no: 755)	M107310		
Box of 200 monthly charts, -10 to +40°C, 0 to 100%RH (chart ref. no: 750)	M107309		
Accessories and Spares			
STANDARD MODEL			
Black (short) temperature pens (pack of 2)	M118004		
Red (long) humidity pens (pack of 2)	M119003		
1.5V battery	016004		
DELUXE MODEL			
Black (short) humidity pens (pack of 2)	M118004		
Red (long) temperature pens (pack of 2)	M119003		
1.5V battery	016604		
For spare charts, please see 'Ordering information'			
Contact Details			
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