THERMOHYGROGRAPH SERIES
101-V0164-SERIES

MatCivTest
MATERIAL CIVIL TEST EQUIPMENT
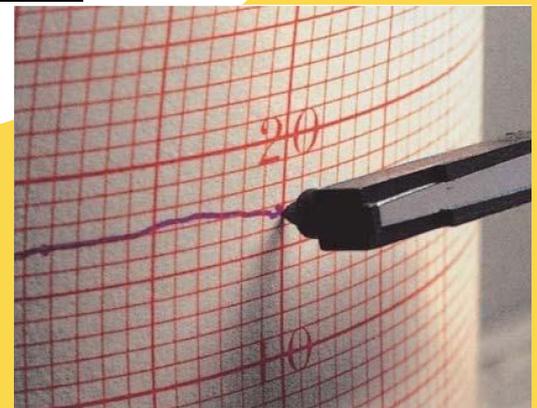
101-V0164-10
MINI-ALPHA THERMOHYGROGRAPH

Compact Thermohygrograph Mini Cube.
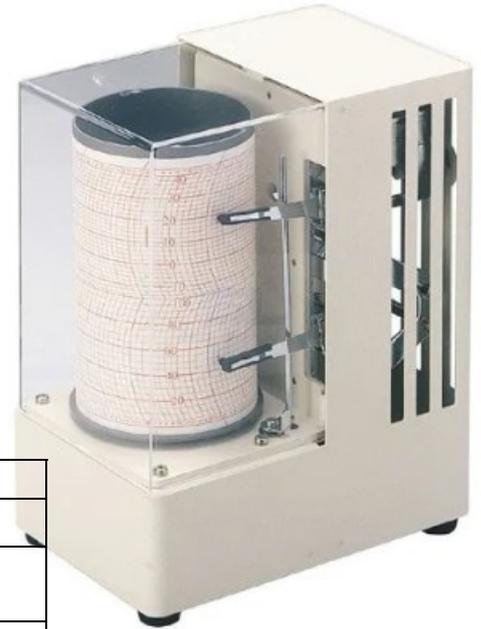
Clock	Quartz type
Drum rotation	7 days
Sensors	Aged bimetal strip for temperature. Human hair bundle for relative humidity
Measuring range	Minus 15 to 40°C for temperature 5 to 100% for R. humidity
Accuracy	±2°C (at 10 to 30°C) for temperature
	±3°C (at other than above) for temperature
	±5% (at 15 to 25°C, 30 to 90%) for R. humidity
	±7% (at other than above) for R. humidity
Chart graduation	2°C for temperature 5% for R. humidity
Recording pens	Cartridge pens (violet)
Dimensions	W 148 x H 190 x D 97 mm
Weight	approx. 1.6 kg
Accessories	7 day chart for 1 year use (55 sheets/pad), "AA" size battery x 1

Consumables	
V101-0164-10-10	Spare 7 day chart (55 sheets/pad)
V101-0164-10-20	Spare cartridge pen - Violet (12 pcs)
V101-0164-10-21	Spare cartridge pen - Red (12 pcs)

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Phone: +61 (0) 418 246 108 - **Email:** sales@matcivtest.com.au
Australian Head Office: 122 Young Street, Annandale NSW 2038

THERMOHYGROGRAPH SERIES
101-V0164-SERIES

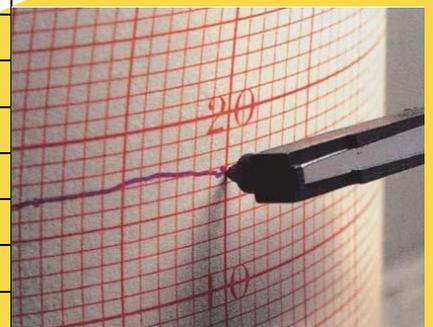**MatCivTest**
MATERIAL CIVIL TEST EQUIPMENT

101-V0164-20
THERMOHYGROGRAPH

The hygro-thermograph serves for the automatic recording of the temperature and the relative humidity. The temperature is measured by a bimetal element Bourdon type and the relative humidity of a hair. Both measured values are separately recorded on a chart by two pens.

Clock	Quartz clock: 1 day and 32 day changed by speed switch Battery: "C" size battery x 2 Manganese Battery life: 1 year for continuous use
Sensors	Aged bimetal strip for temperature Human hair bundle for relative humidity
Measuring range	Minus 10 to 50°C for temperature Minus 15 to 40°C for temperature 0 to 100% for Relative humidity
Accuracy	±1°C (at 10 to 30°C for temperature
	±2°C (at other than above) for temperature
	±3%rH (at 15 to 25°C, 20 to 95%) for Relative humidity
	±5%rH (at other than above) for Relative humidity
Chart graduation	1°C for temperature 1% for R. humidity
Recording pens	Cartridge pens (violet)
Dimensions	W 336 x H 295 x D 148 mm
Weight	approx. 3.1 kg
Accessories	7 day chart for 1 year use (55 sheets/box) Test result
Storage only in Model	

Consumables	
V101-0164-20-10	1 day chart, range - 10/50°C, 0-100% (400 sheets/box)
V101-0164-20-11	1 day chart, range - 15/40°C, 0-100% (400 sheets/box)
V101-0164-20-12	7 day chart, range - 10/50°C, 0-100% (55 sheets/box)
V101-0164-20-13	7 day chart, range - 15/40°C, 0-100% (55 sheets/box)
V101-0164-20-14	32 day chart, range - 10/50°C, 0-100% (55 sheets/box)
V101-0164-20-15	32 day chart, range - 15/40°C, 0-100% (55 sheets/box)
V101-0164-20-20	Spare cartridge pen - Violet (12pcs)
V101-0164-20-21	Spare cartridge pen -Red (12pcs)

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THERMOHYGROGRAPH SERIES
101-V0164-SERIES

MatCivTest
MATERIAL CIVIL TEST EQUIPMENT

101-V0164-30
101-V0164-40 with Micro SD Memory
DIGITAL THERMOHYGROGRAPH

Displays and records temperature and humidity simultaneously. With an electronic sensor of excellent responsiveness .
With an electronic sensor of excellent responsiveness, it has been given a compact body for indoor installations.
Best suited for general environmental measurement, and monitoring in greenhouses, storage warehouses, laboratories etc.

Measurement Methods	Temperature: Humidity:	Semiconductor Sensor High Molecular Electrostatic Capacity Sensor
Measurement Ranges	Temperature: Humidity:	Minus 20 - 50°C / minus 4 to 122°F Minus 20 to 80°C / minus 4 to 176°F (with sensor Extension Cable) 20 to 90% RH (No Condensation) 0 to 100% RH (with Sensor Extension Cable, No Condensation)
Display (LCD)	Resolution: Temperature: Humidity: Others: Dew Point :Absolute Humidity :LCD Display	0.1°C / 0.1°F 0.1% RH Minus 20 - 80°C / minus 4 to 176°F 0 to 100%RH (minus 80 to 80°C / minus 112 to 170°F) (0 to 290g/m²) Battery Checker, Chart Speed, Setup Mode, etc
Recording (Chart Form)	Chart Paper Working Width Feeding Feeding Accuracy	Z-Fold Type, 12m/39.37 feet (length) 113mm/4.44inch (width) 100mm (3.93inch) for record both Temperature and Humidty Sprocket ±3mm/0.12inch (at 12m/39.37feet. Long recording)
Accuracy	Temperature: Humidity:	1 point 1 or 2 point
Recording Range	User Selectable among ① ② ③ with Switch	*Temperature ① -20 to 80°C/-4 to 176°F ②0 to 50°C/32 to 122°F ③±10°C, ±25°C, ±25°F, or 50°F *Humidity ①0 to 100%RH ②±10%RH or ±25%RH
Environmental Conditions	Ambient Temperature Humidity	Minus 20 to 50°C/minus 4 to 122°F 20 to 90%RH (No Condensation)
Storage only in Model 101-V0164-40	Storage Media Capacity of recording	SD Card (128MB to 2GB) Maximum 16 Months (Recording at 1 minute cycle)
Power Requirement	Battery and AC Adaptor Inlet	LR20, 1.5V x 4 pcs Input 9V 500mA
Dimensions		300 x 245 x 105mm 2.1kg
Included Accessories		LR20, 1.5V x 4 pcs 1 Pcs chart paper 1 pcs blue/red pen

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THERMOHYGROGRAPH SERIES 101-V0164

MatCivTest
MATERIAL CIVIL TEST EQUIPMENT

101-V0164-40
DIGITAL MEMORY THERMOHYGROGRAPH

Specifications as per the Digital Thermohygrograph with the following additions:

- Long term continuous recording
- SD Card Recorder Built-in

Optional Accessories/Consumables for Digital & Digital Memory Thermohygrograph	
101-V0164-30-10	5M Extension Cable
101-V0164-30-11	20M Extension Cable
101-V0164-30-12	50M Extension Cable
101-V0164-30-20	External Control Output Unit - One point of common output
101-V0164-30-30	Usual Chart Paper - 5pcs set
101-V0164-30-31	Clean Chart Paper - 5 pcs set
101-V0164-30-40	Cartridge Pen - 2 Red & 2 Blue set

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