

# **ESCORT JUNIOR Temperature and Humidity Recorder**



Version: Temperature and Humidity Sensor  
**Product Code: EJ-HS-B-16**



## Options

Option	Product Code	Description
Liquid Crystal Display	-L	1 line 4 character LCD
Memory	-40	Larger memory for 40,000 samples
Higher Accuracy	-H	Additional calibration to improve accuracy to $\pm 2\%$ at 25°C
Traceability	-T	Certification of traceability of temperature and humidity calibration to ISO 9002

## Accessories

Item	Product Code	Description
Interface and Software	JA-INT-WIN	Sit-on PC interface and ESCORT for Windows® software for programming and data download
Start Magnet	JA-KEY	Start magnet in form of key ring
Dustfilter	JA-DFR	Fine Porous plastic cover to protect humidity sensor from dust and other contaminants

## Specification of standard configuration

Temperature Measuring Range	-20 to +60°C; accuracy $\pm 0.3^\circ\text{C}$ ; average resolution 0.3°C
Humidity Measuring Range	0 to 100% rH; accuracy $\pm 3\%$ at +25°C; average resolution 0.5%
Measuring Response	Temperature: T90 of less than 1 minute in moving air Humidity: T90 of 10 seconds in moving air
Memory	16,000 samples
Data Recovery	Download via PC interface and IBM compatible PC, or printout through ChartReader
Software	ESCORT for Windows®, operating systems Windows 95 or later required
Recorder Start-Up	Programmed time and date or magnet swipe
Time and Date	Real time clock, accuracy better than 40 seconds per month at ambient. Multiple time zones supported.
Sampling Frequency	10 seconds to 255 minutes
Size	Diameter excluding lug 75 mm, height 50 mm
Weight	100 grams
Case Material	Polycarbonate
IP Rating	IP51
Storage Temperature	-40 to +85°C
Power Source	User replaceable lithium battery
Typical Battery Life	1 to 2 years, depending on frequency of PC communication
Warranty	36 months, excluding batteries

**ESCORT Data Logging Systems reserve the right to change the specifications without notice.**