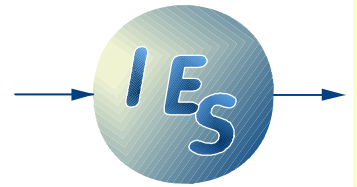


IES 1404

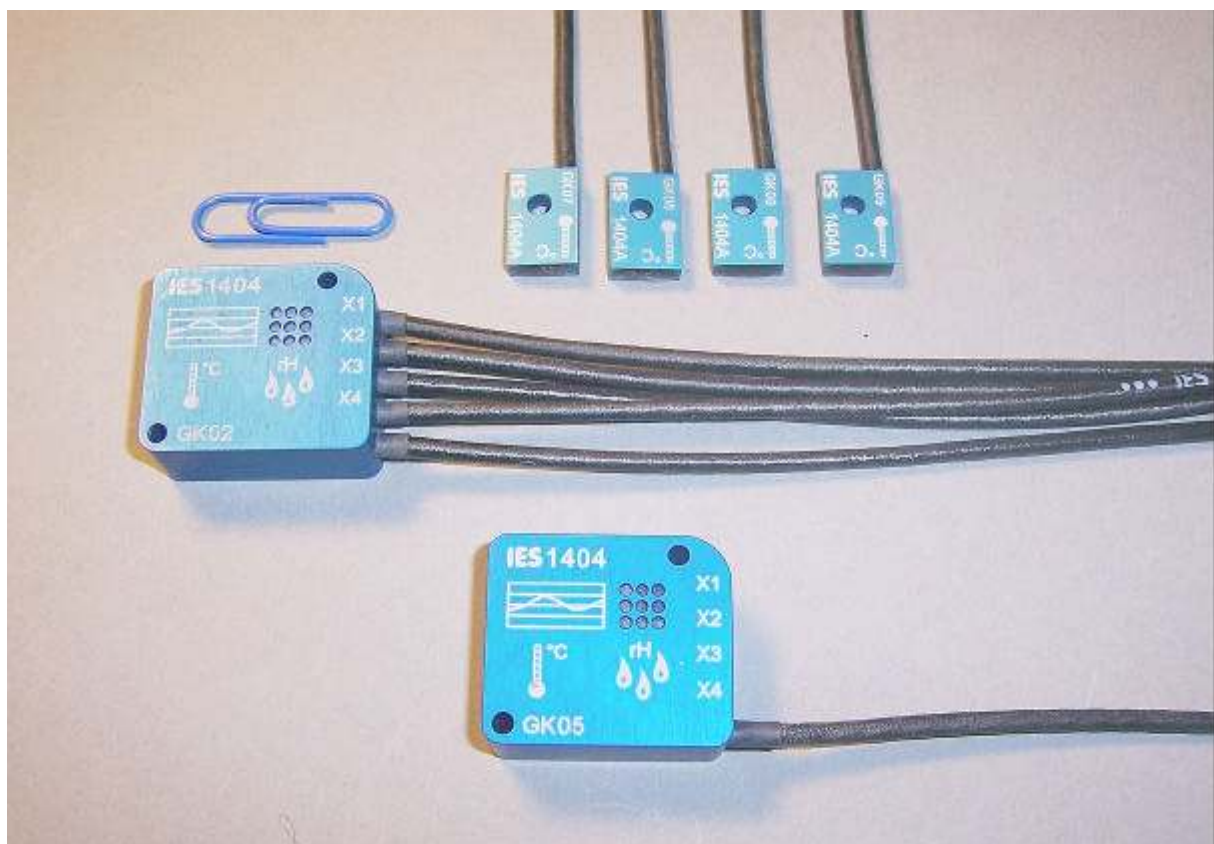
Data Logger for °C and %rH



PRELIMINARY SHORTFORM DATA

Up to six channel small and light-weight data logger for measurement and long term registration of relative air humidity and temperature, intended for integration into crash test dummies or other testing equipment.

- ☺ **Dimensions 30 x 26 x 13 mm³**
- ☺ **Mass only 16 grams**
- ☺ **Internal battery with one year lifetime**
- ☺ **Temperature measuring range -10 ... +70°C**
- ☺ **Humidity measuring range 0 ... 100% rH**
- ☺ **Measurement resolution 0.1°C and 1% rH**
- ☺ **Logging intervals from seconds to hours**
- ☺ **Scalable from 2 (internal) to 6 channels**
- ☺ **Digital bus interface shared between all members of 1400-Family**
- ☺ **Graphical data display with Pocket PC or PC, Excel- and ISO-Export**



Specifications

Metrics	
Dimensions	30 x 26 x 13 mm ³
Weight	16 grams plus cable
Cable	1.5 m long, black PUR, 3-pole Lemo 0B connector, custom cable length possible
Mounting screws	max. diameter 2.5 mm (use M2.5)

Environment	
Temperature range	operation -10...70 °C, specified performance 10...40 °C
Acceleration	100 g shock proof in any direction

Electrical Interface	
Power supply	internal 3 V lithium cell, typical lifetime one year
Data transmission	single wire bus with 5 V logic level serial data
TEDS information	bus address, serial number, calibration values, calibration date, measurement location

Measurement Performance	
Temperature measurement range	-10 ... +70°C
Temperature measurement resolution	0.1°C
Temperature accuracy	0.25°C between 10 and 40 °C max. 1°C in full range
Humidity measurement range	0 ... 100% rH
Humidity measurement resolution	1% rH
Humidity accuracy	5% rH between 20% and 80% rH

Ordering information: IES 1404

Also available:

IES 1404A	Auxiliary temperature sensor
IES 1401I232	Interface adapter for PC or pocket PC (RS-232 Interface)
IES 1401IUSB	Interface adapter for PC (USB Interface)
IES TiltView	Display- and documentation software for PC or PPC

Information is provided without warranty and is subject to change without notice. We reserve the right to make changes whenever necessary to improve to the product.

Revision 2006-12