

### Calibration

Each unit is calibrated against our working factory standard which is traceable to 'NMI', Netherlands or National Physical Laboratory, UK.

### Calibration certificates

In addition to the normal calibration procedure, each transmitter can be supplied with its own traceable calibration certificate.

### Calibration interval time

Under normal ambient conditions (0..50 °C, 0..70 %RH) and for an accuracy  $\pm 2$  %RH, we recommend an annual calibration.

For an accuracy  $\pm 5$  %RH we recommend calibration every five years.

For environments with airborne chemicals or for high humidity and high temperature conditions we recommend more frequent calibration.

### EMC compatibility

The series HT-785 Humidity and Temperature Transmitters are designed to meet the following European standards:

EN 61326 (1997) + A1 (1998) + A2 (2001)  
Emission: Class B, Immunity: Industrial  
EN 61000-3-2 (1995) + A1 (1998) + A2 (1998)  
EN 61000-3-3 (1995)

### Limited Warranty

All products manufactured by Rense Instruments B.V. are warranted to be free of defects in material and workmanship for one year after delivery. Any product found to be defective for these reasons within this period will be repaired or replaced free of charge in our factory. We give no other warranties. In no event Rense Instruments B.V. shall be liable for any damages or losses, wether direct or indirect. The warranty cannot be transferred or assigned to third parties.

Sensor Data bv  
Handelskade 76  
NL-2288 CC Rijswijk  
THE NETHERLANDS

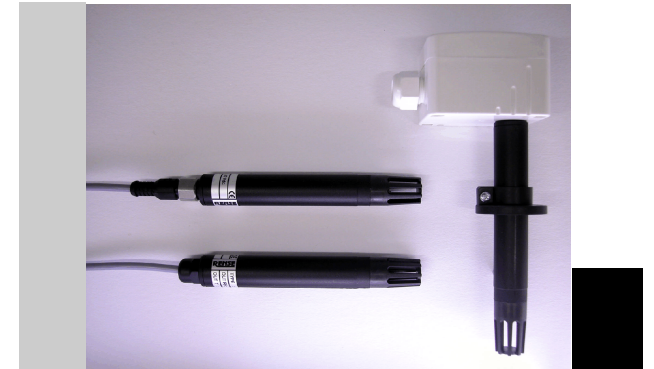
Phone +31 70 3070736  
Fax +31 70 3070398

E-mail [info@sensordata.nl](mailto:info@sensordata.nl)  
Internet [www.sensordata.nl](http://www.sensordata.nl)

Prel Manual HT785 GB 12/04

**RENSE**  
INSTRUMENTS BV

DEVELOPMENT AND MANUFACTURING OF ELECTRONIC INSTRUMENTS



## Instruction Manual Rel. Humidity & Temperature Transmitter HT-785



### Introduction

The series HT-785 are 2-wire relative humidity transmitters, optionally combined with a temperature transmitter or temperature sensor. These low-cost versions are specially designed for HVAC applications. The unit measures continuously the ambient relative humidity and provides a 4-20 mA signal directly proportional to the ambient relative humidity. The 2-wire transmitter uses the same wires for power and output. Models with prefix "HX" measure relative humidity only; prefix "HT" includes a temperature transmitter or temperature sensor.

Description	Type
Rel. Humidity Transmitter, connector	HX-785-I-L1
Rel. Humidity & Temperature Transmitter, connector	HT-785-I-L1
Rel. Humidity Transmitter, duct-mount	HX-785-I-L2
Rel. Humidity & Temperature Transmitter, duct-mount	HT-785-I-L2
Rel. Humidity Transmitter & Pt100 1/3 DIN B, 1.5m cable	HT-785-I-L3
Rel. Humidity Transmitter & Pt1000 1/3 DIN B, 1.5m cable	HT-785-I-L4

