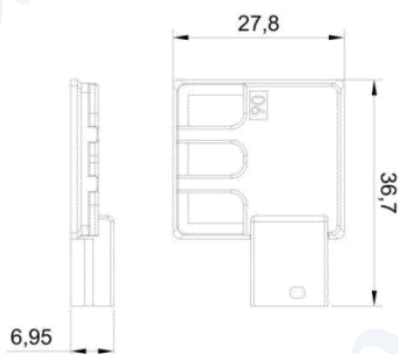




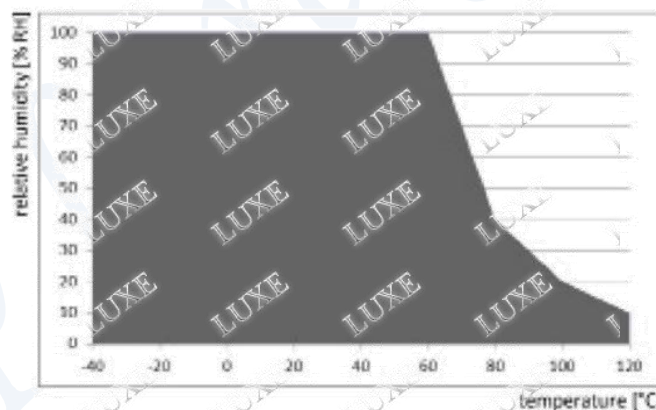
PRODUCT BENEFITS

- ✓ Humidity sensor for auto windshield defogging car systems
- ✓ Relative humidity range 0 - 100%
- ✓ Relative humidity accuracy up to $\pm 3\%$ Rh
- ✓ Frequency output signal at 5V
- ✓ Fast response time
- ✓ BMW Car models: 6 SERIE E60, 5 SERIE E63...

PRODUCT TECHNICAL DRAWING



RELATIVE HUMIDITY ACCURACY



TECHNICAL DATA

Electronical and Rh measurement characteristic

Input voltage	5,0 V $\pm$ 0,2 V
Output signal	Humidity to Frequency (10 - 110 Hz)
Relative humidity accuracy typ.	$\pm 3\%$ Rh
Hysteresis	1,7 $\pm$ 0,15 %Rh
Response time τ 90%	< 6 s
Operating range extended	0 to 100 %Rh
Long term drift typ.	< 1.5 % Rh/yr
Operating temperature	-40°C ~ +80°C
Dimensions	28 x 37.3 x 6.5 mm
Weight	5,2 g

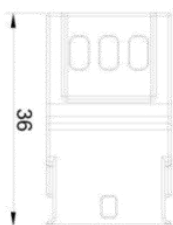




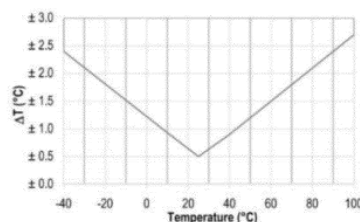
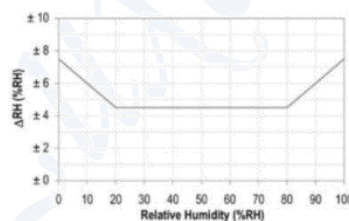
PRODUCT BENEFITS

- ✓ Humidity and temperature sensor for auto windshield defogging car systems
- ✓ Relative humidity range 0 - 100% Rh
- ✓ Relative humidity accuracy up to $\pm 2\%$ Rh
- ✓ Combined humidity and temperature sensor (I²C)
- ✓ Good long temp drift $< 1\%$ Rh /year
- ✓ KIA Car Models: Rio3, Cavens, Ceed, Pro Ceed, Sorento XM

PRODUCT TECHNICAL DRAWING



RELATIVE HUMIDITY AND TEMPERATURE ACCURACY



TECHNICAL DATA

Electronical and Rh measurement characteristic

Input voltage	3,3V - 5,0 V $\pm 0,2$ V
Dimensions	36 x 21 x 8,5mm
Mounting	with no-polyethylene glue or tape

Combined Relative Humidity and temperature sensor

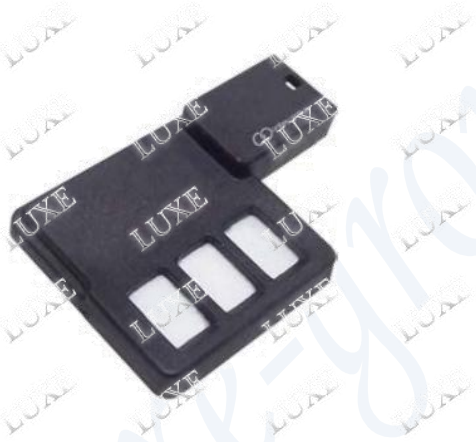
Interface	I2C
Resolution humidity	0,05% Rh, 12 bit
Accuracy humidity	$\pm 4,5\%$ Rh
Operating range	0% ... 100% Rh
Non-linearity humidity	$< 0,2\%$ Rh/year
Long term drift	$< 0,5\%$ Rh/year
Resolution temperature	0,01 °C, 14 bit
Accuracy temperature	$\pm 0,5$ °C
Long term drift	$< 0,04$ °C/year



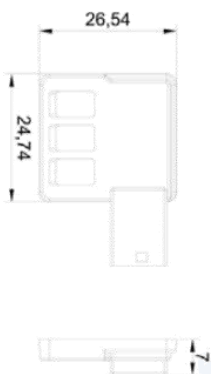


PRODUCT BENEFITS

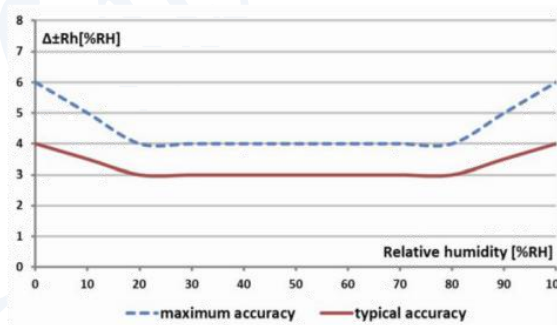
- ✓ Humidity sensor for auto windshield defogging car systems
- ✓ Relative humidity range 0 - 100%
- ✓ Relative humidity accuracy up to $\pm 3\%$ Rh
- ✓ PWM output signal at 5V/60 Hz
- ✓ Good long term drift
- ✓ Fast response time
- ✓ Car models: Hyundai i30; Kia Optima



PRODUCT TECHNICAL DRAWING



RELATIVE HUMIDITY ACCURACY



TECHNICAL DATA

Electronical and Rh measurement characteristic

Input voltage	3,3 - 5,0 V $\pm 0,2$ V
Output signal	PWM, 5V/60Hz
Relative humidity accuracy typ.	$\pm 3\%$ Rh
Repeatability	0.2 %Rh
Hysteresis	1% Rh
Dimensions	26,5 x 36,0 x 6x8 mm
Mounting	with no-polyethylene glue or tape
Nonlinearity	<0.2 %Rh
Response time τ 63%	<10 s
Operating range extended	0 to 100% Rh
Long term drift typ.	< 0.25 %Rh/yr
Operating temperature	-40 °C ~ + 85°C
Weight	32 g



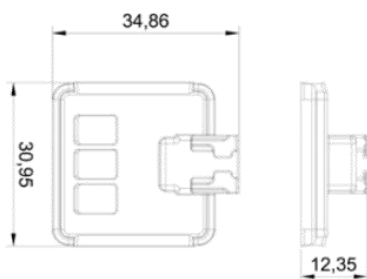


PRODUCT BENEFITS

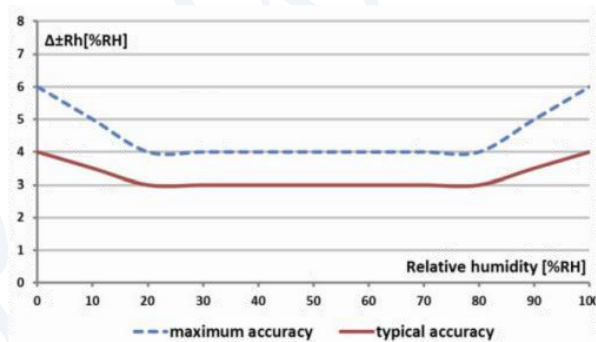
- ✓ Humidity sensor for auto windshield defogging car systems
- ✓ Relative humidity range 0 - 100%
- ✓ Relative humidity accuracy up to $\pm 3\%$ Rh
- ✓ PWM output signal at 5V/60 Hz
- ✓ Good long term drift
- ✓ Fast response time
- ✓ Car Models: Hyundai i20, Tucson; Kia Sportage



PRODUCT TECHNICAL DRAWING



RELATIVE HUMIDITY ACCURACY



TECHNICAL DATA

Electronical and Rh measurement characteristic

Input voltage	3,3 - 5,0 V $\pm 0,2$ V
Output signal	PWM, 5V/60Hz
Relative humidity accuracy typ.	$\pm 3\%$ Rh
Repeatability	0.2 %Rh
Hysteresis	1% Rh
Dimensions	26,5 x 36,0 x 6x8 mm
Mounting	with no-polyethylene glue or tape
Nonlinearity	<0.2 %Rh
Response time $\tau_{63\%}$	<10 s
Operating range extended	0 to 100% Rh
Long term drift typ.	< 0.25 %Rh/yr
Operating temperature	-40 °C ~ + 85°C
Weight	32 g

