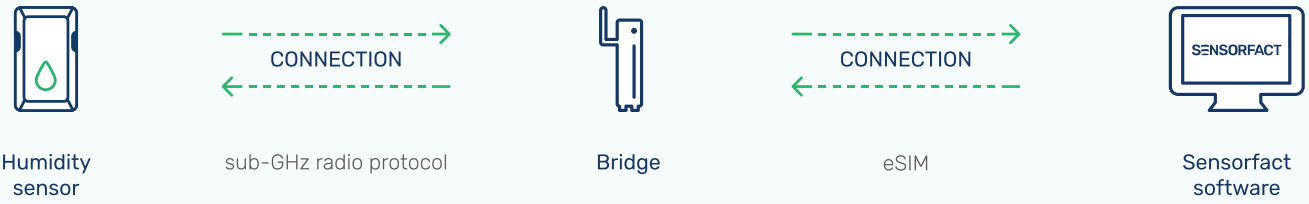
Humidity Monitoring

Technical datasheet



HUMIDITY SENSOR

Measurement	**Measuring range**	0-100% RH, -40 °C to 85 °C
	Accuracy	± 2% RH and ± 0.2 °C
	Measuring frequency	Every 30 sec
	Report frequency	Every 2 min. Or immediately if trigger for critical data transmission is reached
	Trigger for critical data transmission	5% RH change in measurement
Battery	**Type**	Li-SOCl2, 3.6V
	Expected operating time*	Up to 10 years
Enclosure specification	**Material**	POLYblend 65 FS
	IP rating	IP 21, indoor use
	Dimensions	37 x 23 x 14mm
Installation	**Ambient temperature**	-40 °C to 85 °C
	Relative humidity	0-80% (non-condensing)
	Altitude	< 2000m above sea level
	Pollution degree	3
	Environment	Indoor use
	Radio frequency	863-870 MHz / 902-928 MHz
Production details		Produced in Europe
Compliance		RED 2014/53/EU Radio Equipment Regulations 2017, FCC Part 15C, IEC 61010-1:2010

**Depends on measurement frequency, amount of critical data transmissions and ambient temperature.*

BRIDGE

Power specification	**Power supply**	10-32 VDC, Max. 5W
Network interfaces	**Integrated eSIM**	Roams freely between all available networks and selects operator based on the best signal strength
Enclosure specification	**Case material**	Nylon 6/6
	IP rating	IP67
	Dimensions	131 x 115 x 33mm
Installation	**Operating temperature**	-10 °C to 40 °C
	Environment	Indoor use
	Radio frequency	863-870 MHz (902-928 MHz)
Production details		Produced in Europe
Compliance		RED 2014/53/EU Radio Equipment Regulations 2017, FCC Part 15C, IEC 61010-1:2010