BEEP HTTPS POST Sensor API v0.5

HTTPS POST to this URL: https://api.beep.nl/api/sensors?key=[sensor_key]&[value_key=value]
HEX encoded LoRa messages: https://api.beep.nl/api/lora_sensors

NB: BEEP base LoRa HEX payloads will automatically be decoded by the BEEP API if send to endpoint : /lora_sensors

For multiple [value_key=value] pairs, use & as separator
TTN: if the [key] value is not defined in the payload, the [hardware_serial] EUI in 'payload_fields' object is used as key=[sensor_key]
TTN: rssi/snr are taken from the LoRa data object

value_key	value definition	unit	formula before storing	remark
time	Unix timestamp (sec since 1970) in seconds	unsigned integer		optional, if not defined: server unix timestamp at moment of reception is used
t	temperature outside	°C		
t_i	temperature inside	°C	optional: t_i = (t_i - offset)*multiplier by SensorDefinition	
t_0	temperature sensor 0 (in case of >1 T sensor)	°C		
t_1	temperature sensor 1 (in case of >1 T sensor)	°C		
t_2	temperature sensor 2 (in case of >1 T sensor)	°C		
t_3	temperature sensor 3 (in case of >1 T sensor)	°C		
t_4	temperature sensor 4 (in case of >1 T sensor)	°C		
t_5	temperature sensor 5 (in case of >1 T sensor)	°C		
t_6	temperature sensor 6 (in case of >1 T sensor)	°C		
t_7	temperature sensor 7 (in case of >1 T sensor)	°C		
t_8	temperature sensor 8 (in case of >1 T sensor)	°C		
t_9	temperature sensor 9 (in case of >1 T sensor)	°C		
h	humidity	%RH		
h_i	humidity inside	%RH		
p	air pressure	hPa		
w	weight sum	kg		
l	light	lux		
bv	battery voltage	Volt		
w_v	weight combined kg	signed integer	weight_kg = (w_v - offset)*multiplier by SensorDefinition	
s_fan_4	sound fanning 4days	unsigned integer		
s_fan_6	sound fanning 6days	unsigned integer		
s_fan_9	sound fanning 9days	unsigned integer		
s_fly_a	sound flying adult	unsigned integer		
s_tot	sound total	unsigned integer		
s_bin098_146Hz	frequency bin count	unsigned integer		
s_bin146_195Hz	frequency bin count	unsigned integer		
s_bin195_244Hz	frequency bin count	unsigned integer		
s_bin244_293Hz	frequency bin count	unsigned integer		
s_bin293_342Hz	frequency bin count	unsigned integer		
s_bin342_391Hz	frequency bin count	unsigned integer		
s_bin391_439Hz	frequency bin count	unsigned integer		
s_bin439_488Hz	frequency bin count	unsigned integer		
s_bin488_537Hz	frequency bin count	unsigned integer		
s_bin537_586Hz	frequency bin count	unsigned integer		
bc_i	bee count in	number of bees		
bc_o	bee count out	number of bees		
bc_tot	bee count total	number of bees		
weight_kg	weight kg	kg		
rssi	received signal strength	dBm		
snr	signal to noise ratio	dB		
Weather variables				
temperature	Weather temperature	°C		
humidity	Weather outise humidity	%RH		
pressure	Outside air pressure	hPa		
precipIntensity	Precipitation Intensity	mm/h		
uvIndex	UV index	0-8		
windSpeed	Wind speed	km/h		

General remarks
All values will be cast to floating point values in the database and stored per second as timebase

More information
Subscribe to our Slack community #api by sending an e-mail to support@beep.nl