# **Temperature (Tem)** (Ambient) -40°C to +125°C (±3%) Smart Box

**Product Codes: TeAmSB1049**

The Temperature Smart Box is designed to detect and monitor temperature within it environment.



| Sensor Specifications | |
|---|---|
| Measurement Type | Temperature Detection |
| Operating Temperature | -40 to 125°C |
| Storage Temperature | -65 to 160°C |
| Measurement Range | -40 to 125°C |
| Response Time, (Sensitivity) | 3 sec |
| Repeatability | N/A |
| Accuracy | ± 2 % |
| Life Expectancy | N/A |
| Sensor Type | Ambient |
| Sensor Cable Length | N/A |
| Certified | No |

| Smart Box Specifications | |
|---|---|
| Operating Temperature | -40˚C to +85˚C |
| Storage Temperature | -40 to 105°C |
| Air Data Rate | 250 kb per second |
| Channels | 16 (IEE 802.15.4 channels 11-26) |
| Hardware Supported Encryption | AES128 |
| Analogue Digital Resolution | Up to 12 bits |
| Sample time for 12 bit conversion | 680µs |


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| Antenna Options (Range) | | Code |
|---|---|---|
| Internal | (60m) | i |
| Large | (700m) | L |
| Right-Angle | (300m) | R |
| Small Stub | (300m) | S |

| Power Supply Option |
|---|
| Standard PSU mains |
| Water Resistant PSU mains |
| Battery 9V (Replaceable) |
| Battery (Rechargeable) |
| Solar & Battery (Rechargeable) |

| Smart Box Housing | IP Rating |
|---|---|
| Indoor | IP50 |
| Outdoor Splash proof | IP51 |
| Outdoor - water jet | IP65 |
| Outdoor - Immersion | Contact Us |
| Outdoor Explosion Proof | Contact Us |