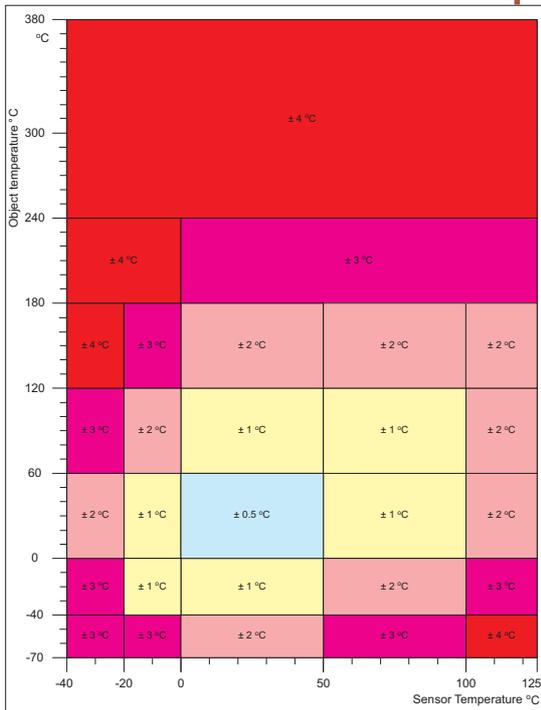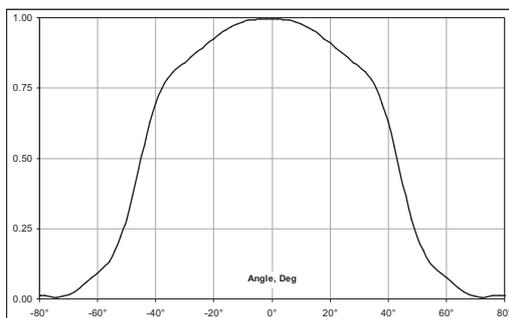# TruSense
## Input Module
# IRtemp-TS

The TruSense Input modules are an I2C based module with memory and the interface to the sensors. When an Input module is connected to a TruSense logger the logger reads the Input Module's memory and this gives the logger all the information on the sensors that may be attached to the module.

The IRtemp-TS module is a non-contact infrared thermometer. the thermometer has a range from -70°C to+ 380˚C. The typical sensor has field fo view of about 90°. We can source sensors with FOV of 35°, 10° and 5°

# Specifications



All accuracy specifications apply under settled isothermal conditions only.



**Typical Field of view of MLX90614**

### Size
| | |
|---|---|
| Dimensions | 95x60x36mm without cable |
| Weight | ? |
| Material | Polycarbonate box |

### Enviroment
| | |
|---|---|
| Protection | IP65, |
| Operating Temp. | -10°C to 70°C |
| Storage temp. | -20°C to 75°C |

### Temperature
| | |
|---|---|
| Device | MLX90614 |
| Resolution | 0.1°C |
| Accuracy tolerance | ±0.5°C        (0 to 50°C) |
| Operating Range | -70°C to 380°C |

these accuracies are only guaranteed and achievable when the sensor is in thermal equilibrium.

the MLX90614 is calibrated for an object emissivity of 1.