

# B10-80

## TERAHERTZ MEASUREMENT & TEST



### **Passive TeraHertz Imaging**

B10-80 is a passive 250 GHz imaging system for designed and developed for R&D teams to evaluate TeraHertz NDT applications. The B10-80 is a compact, rugged and portable system that is easily setup and relocated for measurement and tests.

The supporting software enables the data to be captured, recorded and exported in a variety of format's to enable further data analysis in other software if required.

A full range of accessories is available to support technology evaluations, including a rugged tripod, mounting brackets and a mobile trolley.

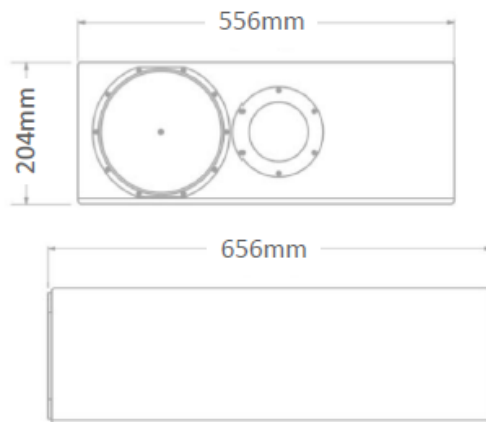
### **Introducing SubTera**

SubTera is a UK technology company developing TeraHertz NDT solutions. SubTera provides related consultancy services, such as TeraHertz NDT feasibility studies and inspection process development.

## Specifications

### Hardware

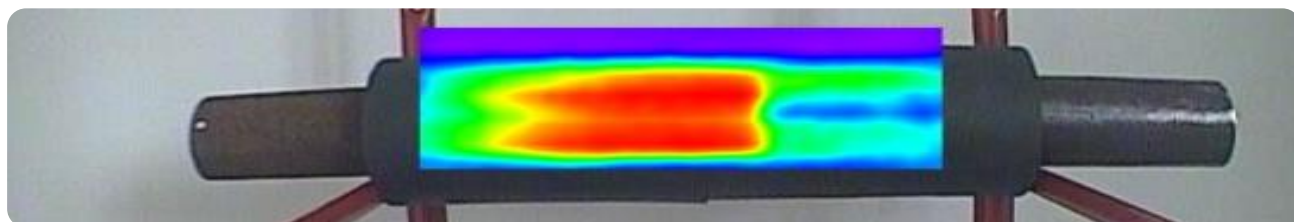
<b>Dimensions (mm)</b>	656 (L) x 556 (W) x 204 (D)
<b>Operating Temperature (°C)</b>	5 - 45
<b>Relative Humidity</b>	95% non-condensing
<b>Input Voltage</b>	90V AC – 264 V AC, 47/63 Hz
<b>Power Consumption</b>	24V DC
<b>Environmental Rating</b>	IP 52
<b>Imaging Range (m)</b>	Min 0.8 Max 1.2



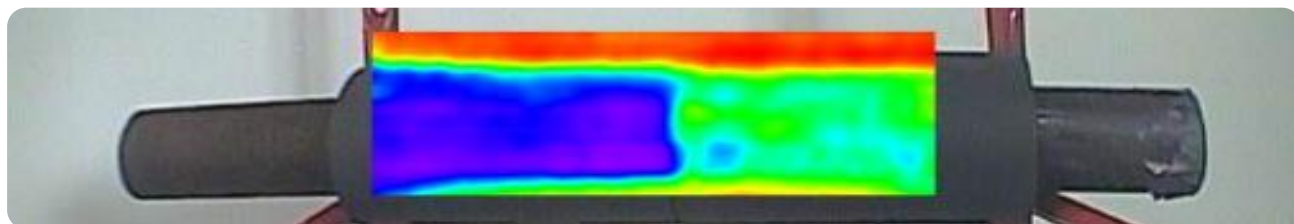
### Approvals

CE, EN55022, EN55024, ESTI EN 300 019-2-2

### Imaging Examples



Detecting CUI (red) on an warm pipe



Detecting CUI (blue) on an cold pipe

### Technology Evaluation



The B10-80 to be easily deployed using a tripod and is operational within 5 minutes of setup.

Inspection data is transmitted to a laptop running dedicated software which displays the data. The B10-80 and laptop are connected via ethernet cable.

The software can save the inspection data in SubTera's proprietary data format, avi or jpg file formats.