

# SI7500

## Description

The SI7500 is a multi-axis metrology display that directly connects to a Solartron Metrology Orbit<sup>®</sup> network and accepts up to 16 Orbit<sup>®</sup> Module inputs, such as Digital Probes, Linear Encoders and Analogue Input Modules. It features intuitive visual displays, helpful audio cues and user defined formulas. The SI7500 also reports dynamic Min/Max measurements, provides SPC analysis from an integrated database and offers connectivity to PC's and other peripherals.

## Features

- Direct Solartron Orbit<sup>®</sup> Interface
- Up to 16 Digital Probes or Modules
- Up to 100 parts storable
- SPC support
- Suite of mathematical functions
- Intuitive menu system
- Clear graphical display



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## Technical Specification

|              |
|--------------|
| Display type |
| Resolution   |

|                        |
|------------------------|
| 6" Colour LCD          |
| 0.0001 mm or 0.000004" |

## Inputs

|                           |
|---------------------------|
| Signal input              |
| Connection type           |
| Number of Orbit® modules  |
| Additional inputs/outputs |

|   |
|---|
| Orbit®  |
| RS485 Orbit® network cable  |
| 16  |
| Footswitch, USB port, Remote keypad, Parallel data port, RS232C serial port, Relay outputs x2 |

## Electrical Interface

|                     |
|---------------------|
| Power Supply (VAC)  |
| Line frequency (Hz) |

|           |
|-----------|
| 85 to 264 |
| 43 to 63  |

## Environmental

|                          |
|--------------------------|
| Storage Temperature °C   |
| Operating Temperature °C |
| Humidity                 |
| Safety rating            |
| EMC                      |

|                              |
|------------------------------|
| -20 to +60                   |
| 0 to +45                     |
| 0 to 95% non condensing      |
| EN 61010-1                   |
| EN55011:1998, EN50082-2:1995 |

## Mechanical

|                        |
|------------------------|
| Enclosure (WxHxD) (mm) |
| Base (WxHxD) (mm)      |
| Enclosure weight (Kg)  |
| Base weight (Kg)       |

|                       |
|-----------------------|
| 292.1 x 190.5 x 69.85 |
| 254 x 50.8 x 190.5    |
| 1.59                  |
| 3.18                  |



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# Solartron Metrology

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Solartron pursues a policy of continuous development. Specifications in this document may therefore be changed without notice.

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