



**Technor**

# Intrinsically Safe Data Terminal

# ISIS 300



- **Batch Control**
- **Trending**
- **Operator Interface**
- **Alarm Displays**
- **PLC Interface**
- **ATEX Certified**

## Features

**BASEEFA EEx ib IIC T4**

**IP65**

**User friendly configuration software**

**High speed communications**

**Wide range of protocol support**

**Profibus available**

**User programmable**

**Long distance communications**

**Real Time Clock**

### ISIS 300 Intrinsically Safe Data Terminal

The ISIS 300 Slimline terminal offers an easily programmable, robust and cost effective operator interface specifically designed for Zone 1 hazardous areas. The ISIS 300 is particularly suitable for Chemical, Pharmaceutical, Oil and Gas and other applications.

Intrinsically safe, and certified to meet the stringent requirements of the ATEX directive, the ISIS 300 is suitable for the most demanding of hazardous areas.

Combined with the Graphical User Interface that is part of the "ENVOY" software suite, the wide range of available protocols covering most available P.L.C.s and also the availability of the latest bus systems, the ISIS 300 offers a seamless integration into control systems.

With the on board processor and memory, the ISIS 300 can run self-contained programs or act as a simple terminal. The "supertwist" high contrast LCD graphics display allows both text and graphics to be clearly displayed and means the ISIS 300 is perfectly suited to applications such as trending, plant mimics and alarm handling as well as the more straightforward operator interface applications.

Wall or panel mounting options and a shallow depth of only 94mm makes installation simple and the unit can be sited up to 300m away from the safe area power supply.



# ISIS 300 Technical Specifications

<b>Display size</b>	240 x 64 pixels
<b>Viewing area</b>	130 x 35 mm (5.25" x 11.5")
<b>Flash memory</b>	2 Mb (Optional additional 2Mb)
<b>RAM</b>	1 Mb
<b>Real time clock</b>	DS1307, Battery backed
<b>Communications</b>	2 Full Duplex Channels
<b>Communications distance</b>	300 metres maximum
<b>Baud rate</b>	Up to 115,200 baud
<b>Keyboard</b>	28Key Keyboard
<b>Case material</b>	ABS plastic
<b>Operating temperature</b>	0 <sup>o</sup> to 50 <sup>o</sup> C (32 <sup>o</sup> to 120 <sup>o</sup> F)
<b>Environmental protection</b>	IP65 / NEMA 4
<b>Overall dimensions</b>	310w x 192h x 94d mm (12.2" x 7.6" x 3.7")
<b>Weight</b>	1.8 Kgs / 3.9 lbs

## Safe Area Equipment

<b>DIN Rail Option, IP20</b>	<b>Overall dimensions</b>	<b>Weight</b>
DIN Rail PSU	50w x 166d x 118h	0.7kg/1.5lbs
DIN Rail Galvanically Isolated Power and Communications Module	158w x 178d x 80h	1.2kg/2.6lbs
DIN Rail Communications Adapters: Profibus, etc. many others available.	50w x 120d x 88h	0.5kg/1.1lbs

<b>Wall Mounting Panel Option, IP54</b>	<b>Overall dimensions</b>	<b>Weight</b>
Wall Mounting Galvanically Isolated Power and Communication Unit	300 x 120d x 300h	5kgs/11lbs

## CENELEC Approvals

<b>ISIS 300</b>	 II 2 G EEx ib IIC T4 Tamb 0 to 50 <sup>o</sup> C
<b>Safe area equipment</b>	 II (1) G [EEx ia] IIC

Specifications and designs may change without notice. All trade names are acknowledged by their rightful owners

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