

# Technor

## EEx d, HMI industrial PC Terminals

### ISIS 800-900 15.0" – 19.0"



#### Features

Compact EEx d high performance PC terminals  
No need for purging

#### Interface

CAT 5: Distances up to 300 m from safe area interface  
Category 5 UTP, STP, or 4-pair CAT 5 twisted pair,  
24AWG

Fibre Optic: Distances 400 m / 10.000 m from safe area  
interface

Multi Mode (400 m): 2 fibres 50/125, SC connectors  
Single Mode (10.000 m): 2 fibres, SC connectors

No need for intrinsically safe interface in safe area  
High grade aluminium housing Machined housings from  
offshore grade aluminium, EN-AW-6082 Powder coated finish  
Keyboard and Mounting options  
Integrated EEx i keyboard and pointing device  
Control stations options with EEx i QWERTY keyboard / mouse  
Desktop SS316 or panel mounted EEx i QWERTY keyboard /  
mouse Barcode Scanner  
Wall / Floor Suspension systems  
Custom mounting available  
Certified ATEX Gas Zone 1 & Dust Zone 21

### ISIS 800-900 15.0" – 19.0"

Technor ISIS HMI terminals represent the state of the art for process controls and monitoring hazardous area

#### Applications

- Oil and Gas Industry, On / Offshore
- Chemical Industry
- Tank Farms
- Alcohol Processing
- Power Stations
- Food & Health
- Mills (Dust applications Zone 21 / 22)

#### Specifications

Type of protection	II 2G, EEx de(ib) IIB T6 II 2 D, T 85°C IP66
Certification	DNV-2002-OSL-ATEX-0104
Display size	800: 15.0" 900: 19.0"
Display type	TFT, LCD
Display resolution	800: 1024x768 900: 1280x1024
Colours	High colours (16bit)
Brightness	800: 250cdm <sup>2</sup> , Hi. Bright: 500cdm <sup>2</sup> /nits 900: 250cdm <sup>2</sup> , Hi. Bright: 500cdm <sup>2</sup> /nits
Contrast	800: 300:1 Hi. Bright: 250:1 900: 400:1 Hi. Bright: 300:1
Refresh rate	Max 75 Hz
Supply voltage:	90-260VAC, 50-60Hz or 24VDC
Operating temperature:	0° - +45°C, optional: -25° - +45°C
Storage temperature:	-25° - +60°C
Housing:	EN-AW-6082, high-grade aluminium
Paint finish:	Powder coated
Degree of protection:	IP 66
Overall dimensions:	800: 465w x 335h x 160d mm 900: 520w x 389h x 165d mm

#### External Keyboard Options:

- Keyboard TT-100
- EEx i IP 65 keyboard with touch pad
- SS316 housing, Order nr. ISTT100ES-US/DE/FR
- Panel mount, Order nr. ISTT100F-US/DE/FR

Control station with TT-100-F  
EEx i IP 65 Keyboard with touch pad,  
SS316. Order nr: IS-CON-TT100

#### Option

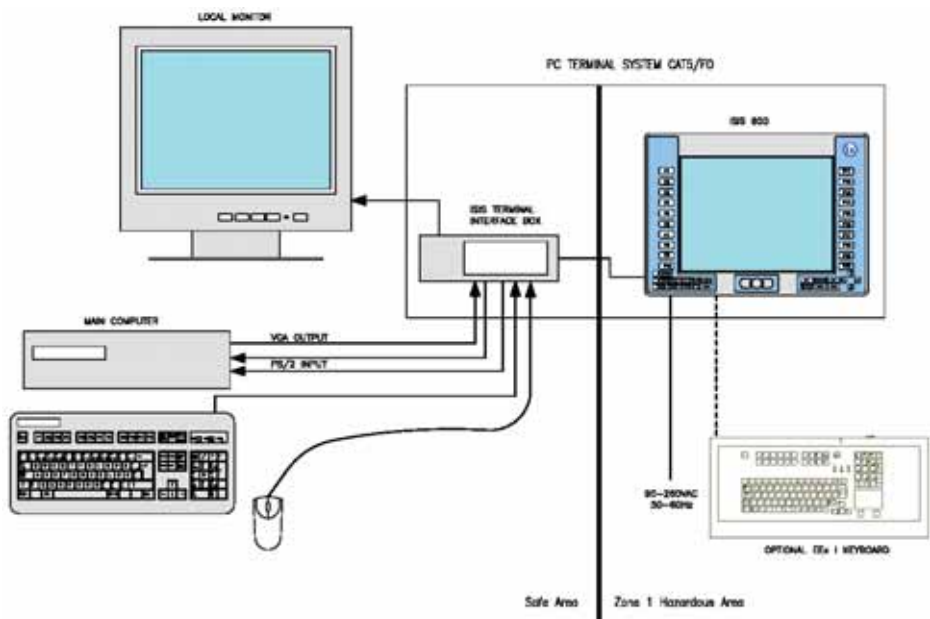
- External keyboards:  
Control Station, IS-keyboard with mouse pad  
(Desktop, Panel Mount option)
- SS316 Suspension System for floor or wall mount
- SS316 Easy Bracket for rugged and easy wall mount
- SS316 Field Bracket with integrated protective sun shield and handles
- SS316 Custom Brackets



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### Systems Illustration



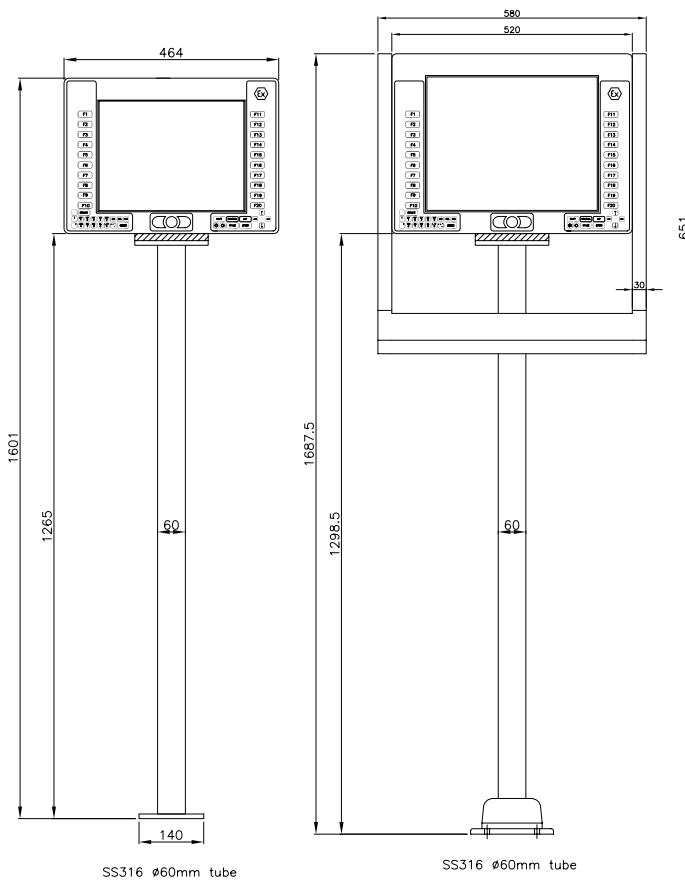
### Features

- Rotation in horizontal plane 300°
- Tube simply clamps in position
- Anti-vibration capability
- Max load 600 N/m
- Factory set torque

Control station with TT-096-F  
EEx i IP65 Keyboard with tracker ball,  
SS316. Order nr: IS-CON-TT096

Floor Suspension  
No rotation  
Order nr: ISBASE-F-F

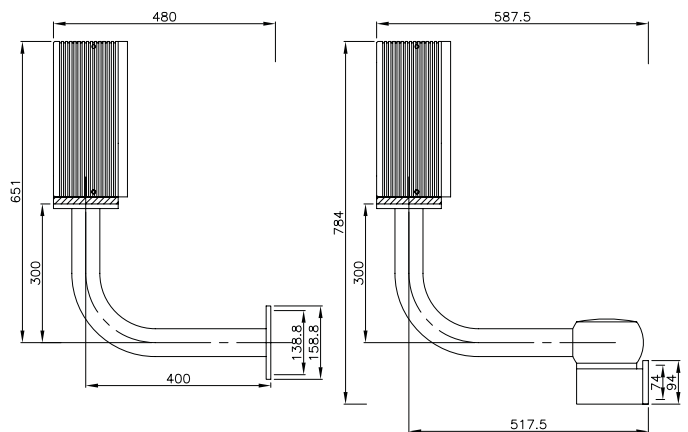
### Suspension Systems / Control Stations SS316



Floor Suspension  
turns through 300°  
Order nr: ISBASE-F-R

Wall Suspension  
No rotation  
Order nr: ISBASE-W-F

Wall Suspension  
turns through 300°  
Order nr: ISBASE-W-R



Technor ISIS Ltd pioneers in intrinsically safe HMI terminals  
Developed first intrinsically safe HMI terminal, Microscan in 1986. First Ex i certified PC terminal ISIS 600 introduced 1996  
Becoming a part of The Technor ASA Group in 1999  
New line of EEx ATEX certified PC and PC terminals introduced in 2000

