

Ex approved signal tower in flameproof enclosure

Ex-d Signal Tower



- For Gas- and Dust Ex, Zone 1/2/21/22
- Latest LED-Technique
- Assembly with line bushing
- Flexible assembling with lamp modules
- Very robust structure
- High chemical resistance

### Description

The Ex approved signal tower is equipped with latest technology, bright and maintenance free LED-technique.

Applications are status indication, fault indication, level indication, access authorisation and traffic lights.

There are 2 different sizes of enclosures available. One for up to 4 (430mm) and the other for 5 (470mm) signal lamps.

The signal towers are delivered with cable gland or ready installed and connected line bushing.

Advantage of the line bushing is a pre-wired and ready-for-connection unit.

There are up to 2 cable glands or line bushings possible. So you can easily connect more signal towers in line.



### Possible application

- Petro chemistry / Refinery / Offshore
- Wastewater industry / Sewage treatment
- Shipbuilding / Tanker
- Tank farm / Filling station
- Ex-manufacturing plant



### Technical Data

Material:	Aluminium die casting with tube of borosilicate glass
Dimension:	430(470)x174x210mm
Fixing centres:	345(385)mm / 2x10Ø
Ingress protection:	IP 66
Impact resistance:	7 Joule
Temperature range:	-20...+50°C
Weight:	
1..4 Modules:	5,7 kg
5 Modules:	6,0 kg

### Certificates

ATEX, Zone 1 / 2 / 21 / 22

### Marking

 II 2G Ex db IIC T6  
 II 2D Ex tb IIIC T120°C

### Technical Data of Modules

Steady light 24V AC/DC: I=0,054A  
 Steady light 230V AC: I=0,028A  
 Steady light 110V AC: I=0,031A  
 Flash light 24V AC/DC: I=0,136A  
 Flash light 230V AC: I=0,01A  
 Flash light 110V AC: I=0,01A

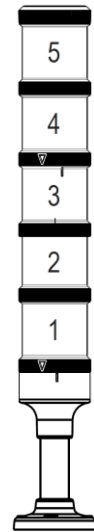
Light source: 12 pcs LEDs per Module  
 Lifespan: up to 100.000h  
 Equal uninterrupted use > 10 Years

Terminals in cage clamp technology:  
 up to 2,5mm<sup>2</sup> / 14AWG



## Order key

	ST	-	U	-	M1	-	M2	-	M3	-	M4	-	M5
<b>Quintex Signal Tower</b>													
<b>Voltage:</b>													
1 = 24V AC/DC +/-10%													
2 = 230/240V AC +/-10%													
3 = 110/120V AC +/-10%													
<b>Module 1...5 colour and function</b>													
R = red / G = green / Y = yellow /													
O = orange (amber) / B = blue / W = white (clear)													
X = red flashlight / Z = orange flashlight													



Sample for standard signal tower:

ST-1-G-O-R: (Voltage = 24VDC / Module1 = green / Module2 = orange / Module3 = red)

## Accessories

The signal towers are supplied as standard with 2 blind plugs M20.

We assemble the appropriate cable glands on request. For this we need with the order the desired cable diameters.

Furthermore we equip the signal tower with optional line bushings. For this we need with the order the desired cable length and type (standard is Ölflex 5G0,75 or 7G0,75).

## Connection types

Line bushing:



Cable gland:



## Dimension drawing

