

Tabletop Type Intrinsically Safe Explosion-Proof Display

2023/03/22

Minebea Intec

Features



- This product is a weight display that supports both tabletop and stand mounted use
- Intrinsically safe explosion-proof structure makes it possible to be used as a display in hazardous areas
- Dust/waterproofing IP68&69K supported
- Intrinsically safe bench scales (Comics-Ex, IU-Ex, IF-Ex and Ex-load cells)

| Parts No. | Maximum resolution [d] | Accuracy class | Load cell Nominal supply voltage [DC] | Bridge resistor lower limit [Ω] | Bridge resistor upper limit [Ω] | Signal voltage range lower limit [mV] |
|-----------|------------------------|----------------|---------------------------------------|--|--|---------------------------------------|
| CAIXS2 | 62500 (Standard) | OIML R76 III | DC2.5V(\pm 1.25V) | 83 | 2000 | 0 |

| Parts No. | Signal voltage range upper limit [mV] | Zero adjustment range lower limit [mV] | Zero adjustment range upper limit [mV] | Internal resolution | Minimum input sensitivity | Display | Display unit |
|-----------|---------------------------------------|--|--|---------------------|-------------------------------------|--|-----------------------------|
| CAIXS2 | 7.5 | 0 | 2.5 | 1/4,000,000 max. | Above 0.2 μ V/e (For Pind =0.5) | 20mm LCD, 7 digits, 14 segments, backlight | g, kg, t, lb, status symbol |

| Parts No. | Explosion-proof standard | External power | Operating temp. range lower | Operating temp. range upper | Operating humidity | Class of protection | Material |
|-----------|--------------------------|----------------|-----------------------------|-----------------------------|--------------------|---------------------|----------|
|-----------|--------------------------|----------------|-----------------------------|-----------------------------|--------------------|---------------------|----------|

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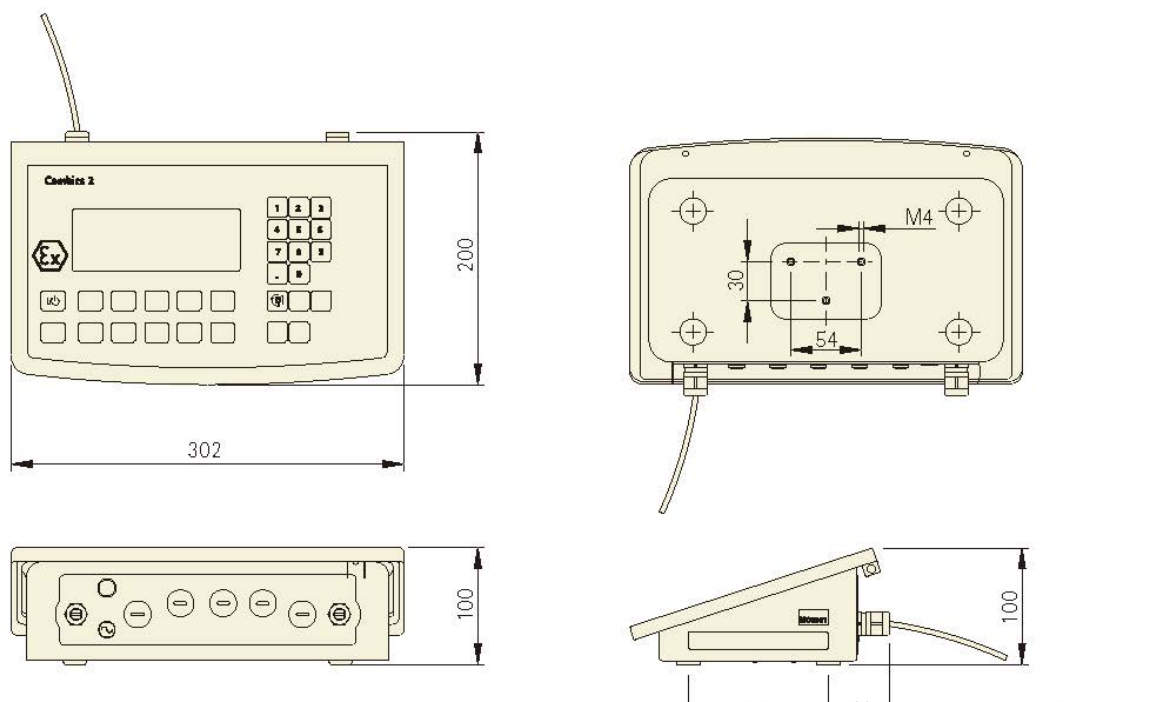
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| NO. | Standard | supply | lower limit [deg.C] | upper limit [deg.C] | range | protection | |
|--------|--|---|------------------------|------------------------|--|------------|--|
| CAIXS2 | IECEX/ATEX/FM: II 2G Ex ia IIC T4 Gb/ II 2D Ex ia IIIC T80°C Db | AC100- 240VAC(- 15/+10%), 50-60Hz, 17W 23VA max. with 0.3m cable | -10 | 40 | Within 85%RH (with no condensation) | IP68/IP69K | Stainless steel JIS SUS304 equivalent Polished finish |

| Parts No. | Size(W) [cm] | Size(D) [cm] | Size(H) [cm] | Specification sheet | Instruction Manual |
|-----------|-----------------|-----------------|-----------------|---------------------------------|------------------------------|
| CAIXS2 | 30.2 | 20 | 10 | 382CAIXS2-A.pdf | 294-1870.pdf |

External view

External Dimensions



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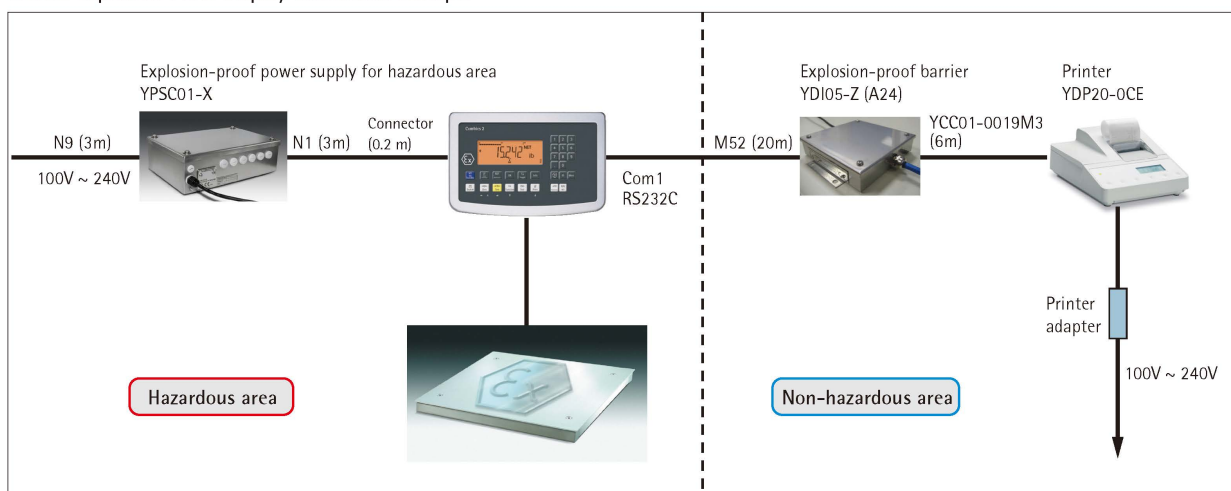
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96 55 Dimensions in mm

CAIXS2 Explosion-Proof Display Connection Example

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