



### Product Description

The painted aluminium junction box and the stainless steel junction box are designed to connect up to 4 load cells in parallel.

The polyester junction boxes are designed to connect up to 6 respective 8 load cells in parallel.

All boxes are available with explosion protection according Ex ia IIC T6 (with “EX ia” name plate and blue cable glands).

The aluminium box is also available with explosion protection according Ex e IIC T6 (with “EX e” name plate and black cable glands)

All junction boxes can be connected with a shielded 6-wire cable to the instrumentation.

### Key Features

- Connection up to 4, 6 respective 8 load cells
- Explosion protection II 2G Ex ia IIC T6 (all boxes) and II 2G Ex e II / T6 (only for KAEX-4)
- Explosion protection II 2D Ex tD A21 (all boxes)
- Rugged industrial housings with IP66 protection

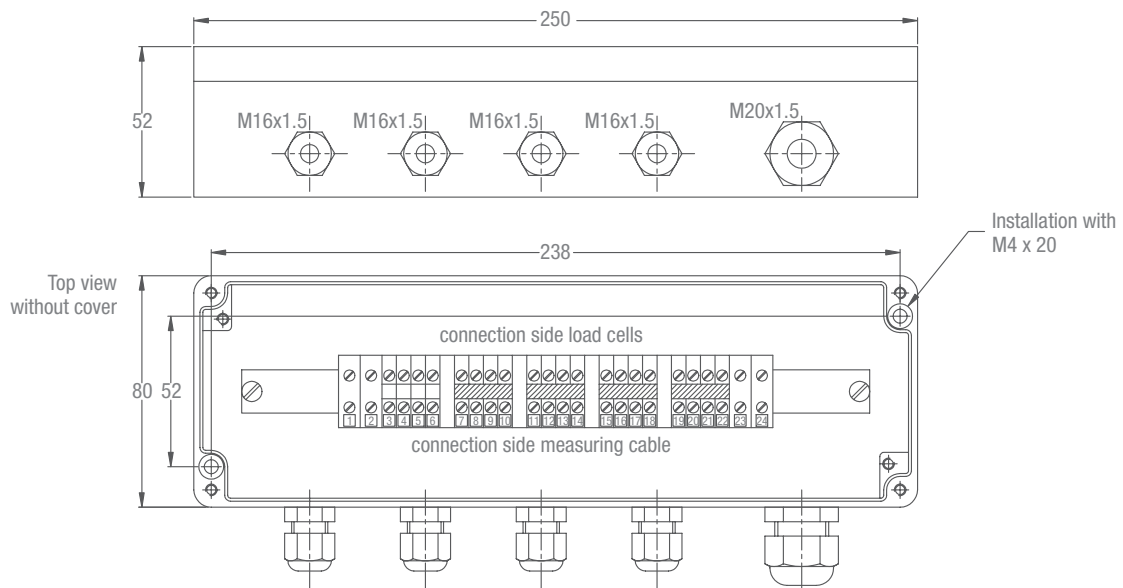
### EEX Junction boxes (ATEX)

Type	Housing	Inputs	Outputs	Sizes	Designation
KAEX-4	Aluminium, IP66	4x M16x1,5	1x M20x1,5	80 x 250 x 52 mm	II 2G Ex e II / T6
KEEX-4	Stainless steel, IP66			100 x 200 x 63 mm	II 2G Ex ia IIC T6 und
KPEX-6	Polyester, IP66	6x M16x1,5		160 x 260 x 90 mm	II 2D Ex tD A21
KPEX-8		8x M20 x 1,5		160 x 360 x 90 mm	

Cable gland M16x1.5 for cable diameter 5...9 mm

Cable gland M20x1.5 for cable diameter 9...13 mm

### Dimensions of type KAEX-4 (in mm)



### Wiring of type KAEX-4

#### Load Cells

- 4    Connect: Shield=24 / +Excitation=10 / +Signal=14 / -Signal=18 / -Excitation=22
- 3    Connect: Shield=23 / +Excitation= 9 / +Signal=13 / -Signal=17 / -Excitation=21
- 2    Connect: Shield= 2 / +Excitation= 8 / +Signal=12 / -Signal=16 / -Excitation=20

