

# ATEX/IECEX junction boxes



## product description

Flintec offers a range of ATEX/IECEX certified junction boxes, suitable for use in hazardous areas.

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 10 load cells in parallel.

All boxes are available with explosion protection according Ex ia/tb (with "EX ia" name plate and blue cable glands). The aluminium box is also available with explosion protection according Ex eb (with "Ex e" name plate and black cable glands).

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

## applications

Universal applications in weighing machinery, process weighing, test & measurement and process automation and control sectors.

## key features

Stainless steel, aluminium or polyester construction

Explosion protection (all boxes)  
II 2G Ex ia IIC T6 Gb  
II 2D Ex tb IIIC 85°C Db

Explosion protection (KAEX-4)  
II 2G Ex eb IIC T6 Gb  
II 2D Ex tb IIIC T 85°C Db

For 4, 6, 8 or 10 load cell connection versions

Environmental protection rated to IP66

Cable connection with screw terminals



RoHS compliant

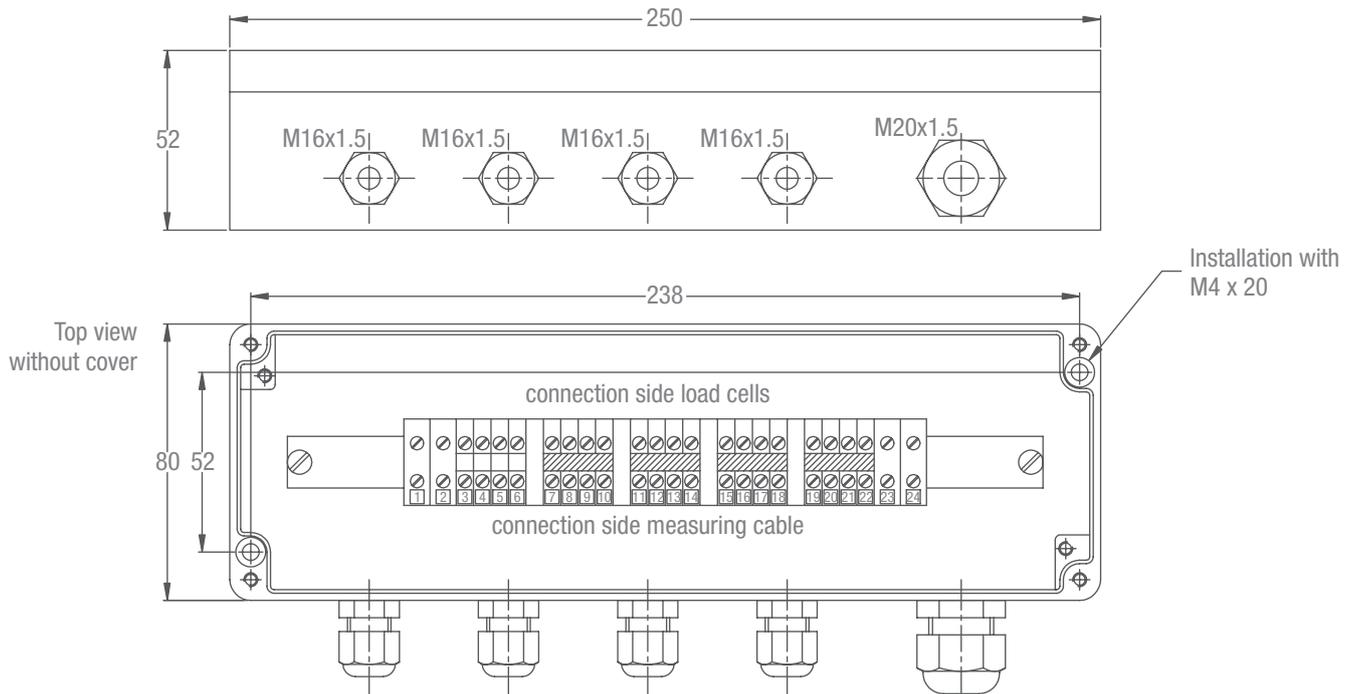


## Ex Junction boxes (ATEX/IECEX)

Type	Housing	Inputs	Outputs	Sizes (mm)	Designation
KAEX-4	Aluminium, IP66	4 x M16 x 1.5	1 x M20 x 1.5	80 x 250 x 52	II 2G Ex eb IIC T6 Gb
					II 2G Ex ia IIC T6 Gb and II 2D Ex tb IIIC 85°C Db
KEEX-4	Stainless steel, IP66			100 x 200 x 62 ±1	
KPEX-6	Polyester, IP66	6 x M16 x 1.5		160 x 260 x 90	
KPEX-8		8 x M16 x 1.5		160 x 360 x 90	
KPEX-10		10 x M16 x 1.5			

Cable gland M16 x 1.5 for cable diameter 5...9 mm  
 Cable gland M20 x 1.5 for cable diameter 9...13 mm

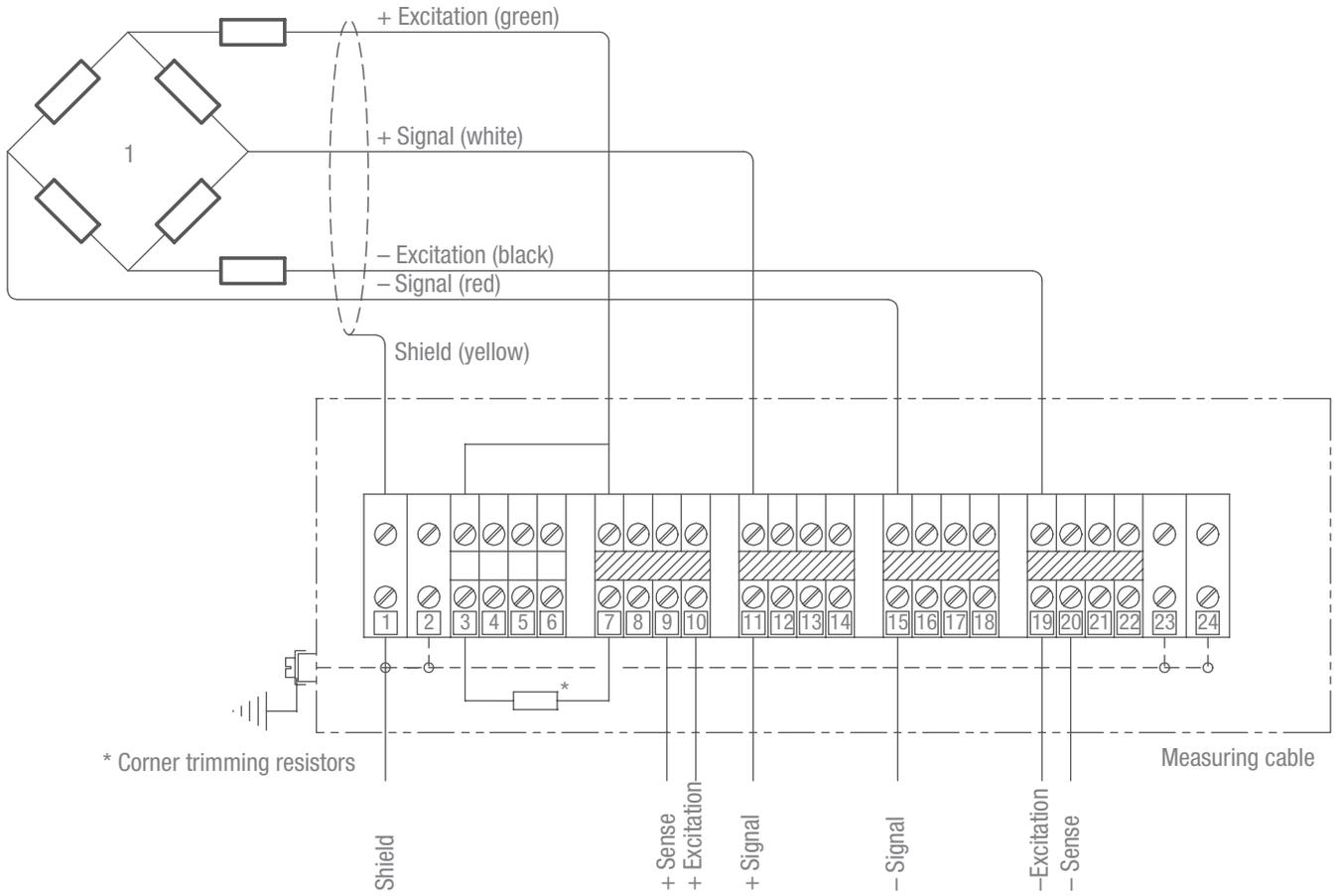
## KAEX-4 product dimensions (mm)



# KAEX-4 wiring

## 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



Dimensions and specifications are subject to change without notice.