

## Junction Box for Digital Load Cells (DLC)

### FEATURES

- Available for a maximum of 4 and 8 load cells
- Stainless steel construction
- IEC529 enclosure Class IP66
- Integrated surge protection board
- Protects against voltages of up to 20 kV
- Protects against currents of up to 10 kA

### APPLICATIONS

- Digital weighbridge
- Digital platform scales
- Any systems that use digital load cells

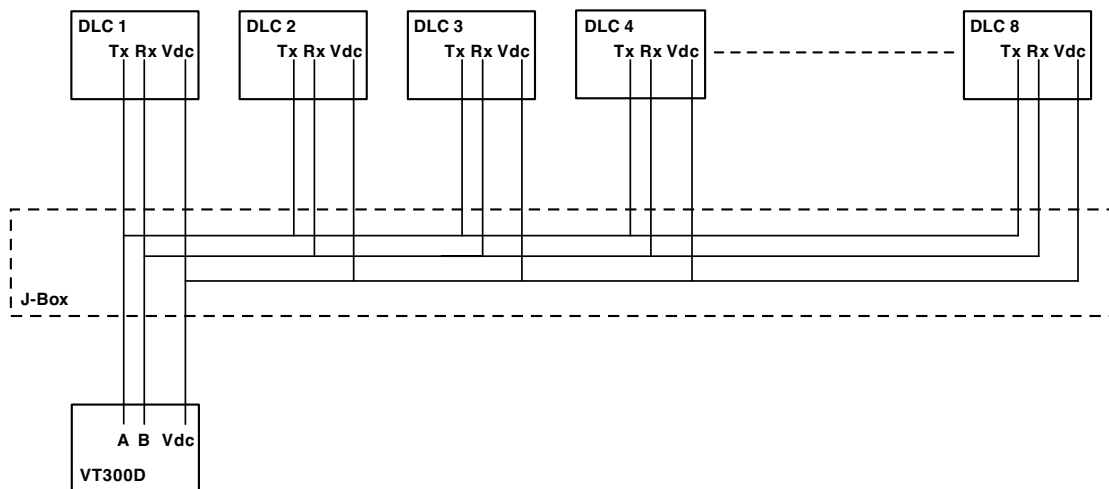
### DESCRIPTION

These junction boxes have been designed to ease connection of digital load cell (DLC) systems. There are two variants, one supporting up to 4 digital load cells (SJB4), the other up to 8 digital load cells (SJB8).



The integrated surge protection protects digital load cells against damage from transient over-voltages or high impulse currents on field cabling. Surges such as these can be caused by nearby lightning strikes, power supply faults and heavy electrical load switching.

### CONFIGURATIONS

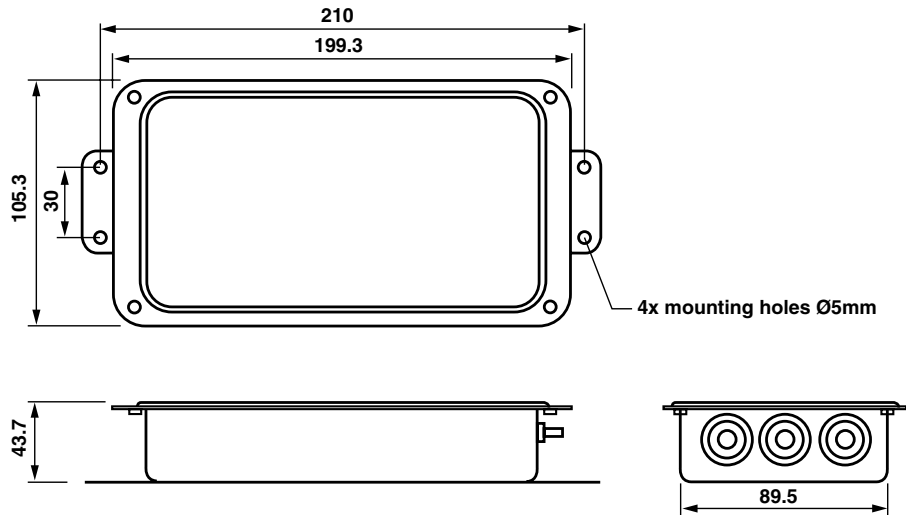


## Junction Box for Digital Load Cells (DLC)

SPECIFICATIONS			
PARAMETER		VALUE	UNIT
Max. number of load cells	SJB-4	4	
	SJB-8	8	
Types of DLC cables		2 or 3 times twisted pair	
Terminating resistors		2 x 120	$\Omega$
Operating temperature range		-40 to +70	$^{\circ}\text{C}$
Storage temperature range		-40 to +80	$^{\circ}\text{C}$
Humidity		0-85% non-condensing	
Data transmission type		RS485 / RS422	
Surge protection against voltages up to		20	kV
Surge protection against currents up to		10	kA
Sealing (to IEC 529 / EN 60.529)		IP66	
Material		Stainless steel	
Weight		1.3	kg
Cable glands: acceptable cable diameter		5-10	mm
Line to line protection		Yes	
Line to ground protection		Yes	
Line to ground let-through		<200	V
Screen to ground let-through		<400	V
Maximum current		600	mA
Inductance per line		110	$\mu\text{H}$
DC resistance per line		<2.1	$\Omega$

All specifications subject to change without notice.

### OUTLINE DIMENSIONS in millimeters



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