



APPLIED MEASUREMENTS LTD.
Transducer Specialists...

+44 (0) 118 981 7339

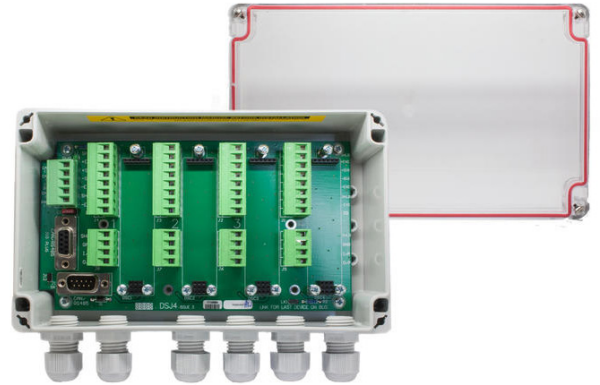
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DSJ4 4-Way Load Cell Digitiser Mounting Module

Key Features:

- Up to 4 Channels
- For Use With RS485 Output DSC Cards
- Connect up to 32 DSJ4s on 1 Digital Bus
- 9-Pin D-Type & Field Terminal Connections
- Available as PCB-Only or Fitted in an IP65 ABS Case
- LED Power Indicator
- Option to terminate bus through 120 ohm resistor
- Bus Connections for communication and Power Supply
- Bus Connection via 2 Part screw connectors
- 'Daisy Chain' Bus through D type connectors
- 2 Part Connectors for Load Cells
- CAN Compliant (Optional)
- Supplied as OEM PCB, options fitting in an IP65 ABS case or to a DIN rail fixture
- 3 Year Guarantee



The DSJ4 enables easy connection of up to 4 load cells and 4 digital strain cards to a multi-dropped digital communications bus. Up to 32 DSJ4s can be connected to 1 digital bus

The DSJ4 is supplied as an OEM device on a single 100 x 185mm PCB and is available either on its own or mounted in an IP65 ABS enclosure. In addition, there are options for wall, surface or DIN rail mounting.

The communications output connection is RS485 or CAN please note that RS232 is NOT available with this unit, please see DSJ1 digitiser mounting module.

Options:

- Supply of ABS IP65 Enclosure
- Mounting Alternatives – DIN rail option
- Case Alternatives - Die Cast Case 220 x 120 x 80mm (LDC), Aluminium or Stainless Steel Case 200 x 160 x 85mm sealed to IP65



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Industries:

- Automotive
- Agriculture
- Silo and Weighing Industry
- Construction
- Alternative Energy
- Civil Engineering
- Lifting and Handling
- Waste Management

Applications:

- Weighing Platforms
- Vessel Weighing Systems
- Weighbridges
- Conveyor Weighing Systems
- Bridge Structure Monitoring
- Waste Management Systems
- Lifting and Handling
- Monitoring of Anchor Loads
- Truck Load Weight Monitoring
- Skip Weighing System
- Multi-Cell or Multi-Transducer Installations
- Monitoring of Building Foundations
- Force Measurement in Formula Racing
- Silo Weighing
- Measuring the Power Output of a Motor
- Vessel Weighing Systems

Specification:

Parameter	Min
Connection	4 x 8 way 2 part terminals for Load Cell Connections (2.5mm ² cable max) 1 x 5 way 2 part terminals for Digital Data & Power (2.5mm ² cable max) 2 x 9 way D type connectors for Digital Data & Power
Cable Length	Maximum length from DSJ4 to Load Cell 3 metres Maximum length of Digital Data, 1000 metres
Dimensions of ABS case	200 x 120 x 75mm excluding glands
Environmental of ABS case	Sealed to IP65 with cable entries via IP67 glands supplied fitted
Enclosure Material	ABS
CE & Environmental	
Storage temperature	-20 to +70°C
Operating Temperature	-10 to +50°C
Relative Humidity	95% maximum non condensing
European EMC Directive	2004/108/EC
Low Voltage Directive	2006/95/EC



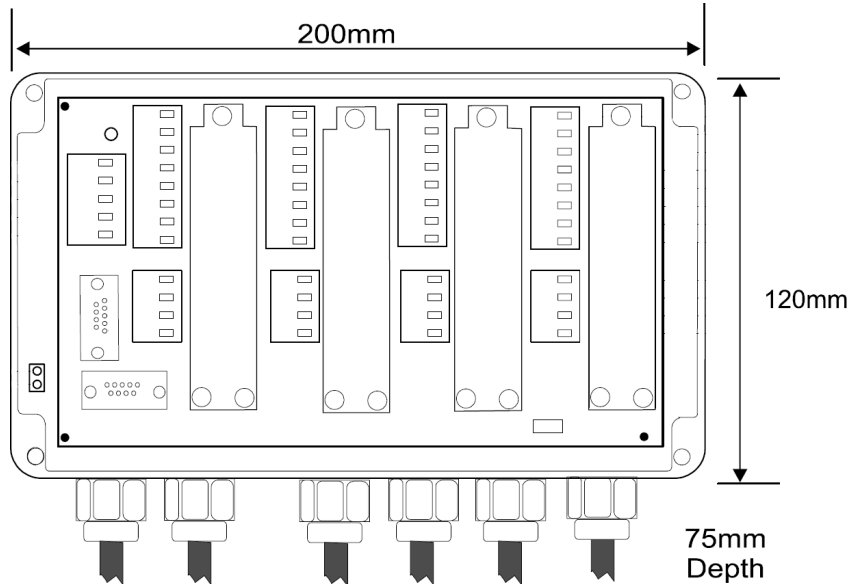
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Dimensions (mm):



Ordering Codes:

Core Product	Capacity (inc Engineering Units)	Cable Length (m)	Specials Code	Result
DSJ4				DSJ4

Associated Products:



[Load Cells & Force Sensors](#)



[T24 Wireless Telemetry Range](#)



[AML/SGD Displacement Sensor](#)



[DSC-USB USB Signal Digitiser](#)



[Torque Transducers & Torque Sensors](#)



[Pi600 Pressure Sensor](#)