

6100A 6180A

MODELS

- **Instant On**
- **Overall System accuracy $\pm 0.3^{\circ}\text{C}$ (after system calibration)**
- **Universal Thermocouple**



Paperless Graphic Recorders Remote CJC Block Specification Sheet

The 6000 Series Remote CJC block provides for the connection of up to 15 (30 channels for 6180A) Thermocouples sensors of any type (J, K, N, R, S, T etc). The sockets are arranged in three rows of 5, each row contains its own reference 4 wire Pt100 RTD sensor. In turn the Remote CJC block can be wired to any field instrumentation supporting the use of Remote CJC and configured in accordance with the manufacturer's instructions. Once installed and wired overall system calibration using the manufacturer's instructions should be carried out prior to use.

An instrument is field calibrated (refer to the appropriate product installation and operation manual) at an ambient of 25°C . This adjust procedure removes the effects of individual thermocouple errors, CJC error and the input measurement error.

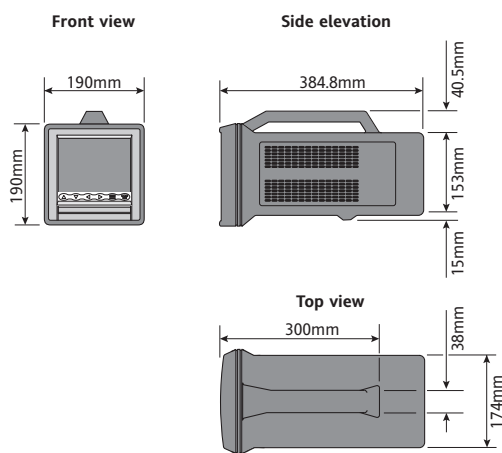
The remote CJC block has been designed to track short term rapid changes in temperature, but to further minimise ambient-related errors consideration should be given to the location of the measuring instrumentation.

SPECIFICATION

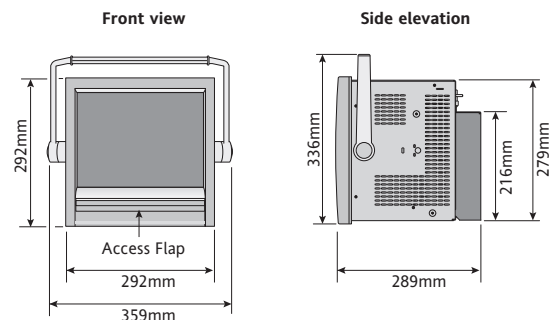
Measurement Accuracy (typical):	
Static (at 25°C):	<+/- 0.3°C error overall system calibration
0 to 50°C:	<+/- 1°C error overall system calibration
Start-up time at ambient:	<+/- 0.3°C at switch on
Isolation:	<30V RMS or <60Vdc only



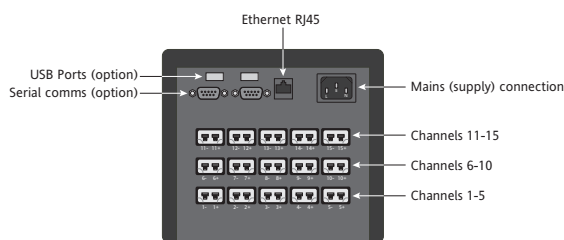
6100A Portable Mechanical Details



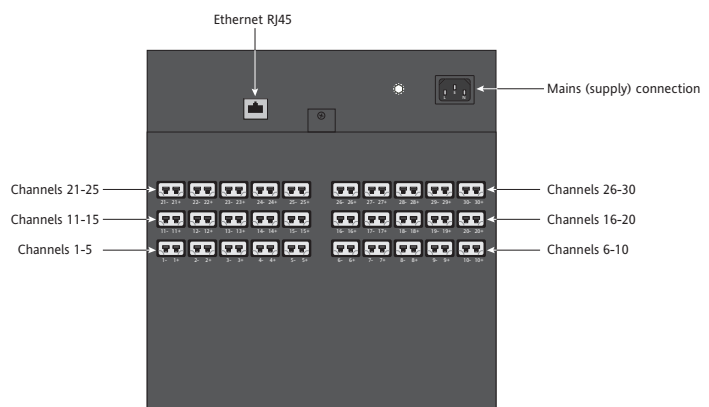
6180A Portable Mechanical Details



6100A Rear Panel Connector Layout



6180A Rear Panel Connector Layout



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