

AMT270 series, strain gauge

The 270 series will accept input from - and supply excitation to - devices such as strain-gauges or solid state devices using strain-gauges to monitor pressure, level, flow etc.

Normal minimum input span is 4mV but lower ranges may be specified to special order.

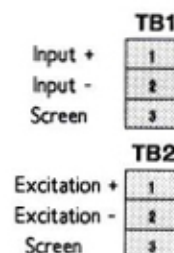
Unit has the facility of very large zero elevations to give a TARE effect in weighing applications. This elevation may be up to $\pm 400\%$ of span.

Excitation voltage may be adjusted from 3V to 24V and will supply up to 20mA at a regulation of 0.1%. When higher excitation current is required, a range of separately mounted power supplies are available which will supply up to 1A.

Models available

Single output	Double output	Transmitter single trip	Transmitter double trip
AMT270	AMT271	AMT272	AMT276

INPUT WIRING



Warranty and service

All Amelec products are guaranteed for ten years against faulty components or manufacture but not against misuse.

To claim under this warranty, equipment should be returned, carriage paid by the customer, to Amelec Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ, together with details of the fault.

Attempted repairs or component replacement during the warranty period may render the warranty null and void, unless authorised by Amelec.

Amelec will undertake any repairs and will also supply replacement printed circuit board assemblies on an exchange price basis. Please contact the Technical Sales Department for further details.

Where the reported fault is a site problem, Amelec will make their own technical staff available to offer assistance. This service will be charged to the customer at the rate currently in force.

Ordering

When ordering, please give the following details:-

1. Model number
2. Supply voltage and frequency
3. Mounting - Surface, Panel, Single end access or Rack
4. Input span, output span, offset and source
5. Open circuit response - If not specified, default is upscale for thermocouple, millivolt and resistance input units, downscale for process
6. Relay status and mode - If not specified, default is normally energised and single trips are set to Hi, double trips to Hi/Lo. LEDs are lit when relays are energised
7. Any options required
8. Information appropriate to any options ordered