



EP52 (EP50 MKII) CONTROLLER

SPECIAL VERSION FOR SAFETY CRITICAL APPLICATIONS

- Special version of EP52 (EP50 MKII) Controller to meet 'functional safety' requirements for 'Smart Instruments'.
- Designed for use in 'SIL' rated applications in accordance with BS EN 61508.
- Approved by Sellafield Ltd for SIL 1 Nuclear Industry applications (**EMPHASIS**).
- Controller hardware equipped with various fault tolerant systems.
- Special high integrity software for functional safety.
- Incorporates unique intelligent watchdog system.
- A full hardware FMEDA (Failure Modes Effects & Diagnostic Analysis) report is available.
- Quality of design and manufacture assured using special processes accredited under Procon ISO9001:2015 management system.

Multiple EP52 (EP50 MKII) Controllers may be used to provide redundancy to increase 'SIL' ratings, (Procon Engineering also specialise in the design and manufacture of customised loadcells (some with multiple bridges) to implement weighing systems requiring additional redundancy or diversity).

Procon Engineering's policy is one of continuous product enhancement.
We therefore reserve the right to incorporate technical modifications without prior notification. E&OE.

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