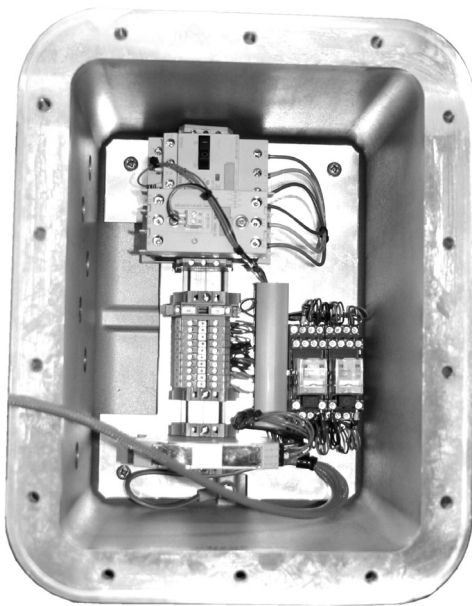




# 710 Motor Control Unit



This unit provides motor protection and control facilities for local and remote (automatic) operation of the 710EL-MC cell and the 710EL-MC probe sampler.

In automatic mode the grab action is initiated by an incoming grab signal from the sampler controller, this in turn switches the main power to the sampler motor which causes the cell or probe to run its grab rotation.

A feedback signal from a sensor mounted on the sampler detects the completion of the cycle and power is removed from the motor; the sampler will then be at its rest position ready for the grab to be taken.

The unit needs to be initially enabled via a local pushbutton or remote contact, a local lamp will show its readiness. The same indicator is used to show the grab action, switching off during the grab cycle, a pair of contacts can also be used for remote indication.

There is a local emergency stop pushbutton and also connections for a remote unit if required adjacent to the motor.

A manual pushbutton enables grabs to be taken for test or calibration checks.

Data Sheet SI37-0801-3 • 710 Motor Control Unit



## Enclosure Specification

<b>Material</b>	Copper-free aluminium alloy
<b>Approx dimensions</b>	220H x 360W x 305D
<b>Weight approx</b>	12.2 Kg's
<b>Finish</b>	RAL 7035 Epoxy powder coating
<b>Execution</b>	ATEX Ex II 2 GD EEx-d IIB T4/T5 IP65/66
<b>Temperature limits</b>	-20°C to +40°C
<b>Power requirements</b> (including sampler)	Motor: 600v Max 50/60Hz 3 phase 90w Max Logic: 24VDC 3w
<b>Grab signal</b>	Voltfree 50ms nominal
<b>Sensor signal</b>	I.S. Namur

This unit must be supplied via an approved 3 phase isolator

	<b>UK</b> Jiskoot Quality Systems	<b>USA</b> Jiskoot Quality Systems	<b>Cameron</b> Measurement Systems	Jiskoot Quality Systems A Cameron Company <a href="http://www.jiskoot.com">www.jiskoot.com</a>
	Tel: +44 (0)1892 518000 Fax: +44 (0)1892 518100 Email: <a href="mailto:ms-jiskootusales@c-a-m.com">ms-jiskootusales@c-a-m.com</a>	Tel: +1 281 583 0583 Fax: +1 281 583 0587 Email: <a href="mailto:ms-jiskootusales@c-a-m.com">ms-jiskootusales@c-a-m.com</a>	Tel: +1 281 582 9500 Fax: +1 281 582 9599 Email: <a href="mailto:ms-marketing@c-a-m.com">ms-marketing@c-a-m.com</a>	 <a href="http://www.c-a-m.com/flo">www.c-a-m.com/flo</a>