

Declaration of Conformity

Date of Issue: 1 October 2014

Manufacturer: Tekron International Ltd

Address: Level 1, 409 Cuba Street
 Alicetown
 Lower Hutt, 5010
 New Zealand

Model Number: TSC100

Declaration:

This certificate declares that the equipment described above complies with the applicable requirements of the following directives:

Approvals and Certification

COMPLIANCE	APPLICABLE COUNCIL DIRECTIVE	ACCORDING TO
CE compliance	Low voltage directive EMC directive	EN60950-1 EN61000-6-2, EN61000-6-4
North America	cULus	UL60950-1, C22.2 No. 60950-1, CB Report including all country deviations
ISO	Manufactured under a registered quality program	ISO 9001:2008

IEEE 1613 (37.90.X) EMI immunity type tests

TEST	DESCRIPTION	LEVELS
IEEE 37.90.3	ESD Enclosure Contact Enclosure Air	+/-2 kV, +/-4 kV, +/- 8 kV +/-4 kV, +/-8 kV, +/- 15 kV
IEEE 37.90.2	Radiated RFI Enclosure Ports	35 V/m
IEEE 37.90.1	Fast Transient Signal Ports	+/-4 kV @2.5kHz D.C. Power Ports +/-4 kV
IEEE 37.90.1	Oscillatory Signal Ports D.C Power ports	2.5kV common mode @1MHz 2.5 kV common, 1 kV diff. Mode @1MHz
IEEE 37.90	H.V. Impulse Signal Ports	5 kV (fail-safe relay output)
IEEE 37.90	Dielectric Strength D.C. Power ports Signal Ports D.C. Power ports	5 kV 2 kVAC 2 kVAC

Type Tests

TEST	REFERENCE STANDARD	LEVELS
Electrostatic Discharge	EN61000-4-2	Level 4
RF immunity	EN61000-4-3	Level 3 20V/m 80-1GHz, 1.4 GHz to 3 GHz
Fast Transient Disturbance	EN61000-4-4	Level 3 & 4
Surge Immunity	EN61000-4-5	Level 4
Conducted RF Immunity	EN61000-4-6	Level 3
Power magnetic Immunity	IEC61000-4-8	Level 3

Type Tests

TEST	REFERENCE STANDARD	LEVELS
Voltage Dip & interruption	IEC61000-4-29, IEC61000-4-11	
Ripple on DC power supply	IEC61000-4-17	
Damped Oscillatory	IEC61000-4-12	
Radiated & Conducted Emissions	CISPR22	Class A
Sinusoidal Vibration	60255-21-1	Class 1
Shock & Bump	60255-21-2	Class 1
Seismic	60255-21-3	Class 2
Safety	EN60950-1	standard
RF Immunity	IEEE C37.90.2	20 V/m, 80-1 GHz
Oscillatory Surge	IEC61850-3	Level 4 (4 kV)
Dielectric	IEEE 1613	2 kV, 500 V
Impulse	IEEE 1613	5 kV

Signed:

Signatory: Charles Norwood
Position: Chief Executive Officer

