

Declaration of Conformity

Date of Issue: 1st November 2015

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

<i>COMPLIANCE</i>	<i>APPLICABLE COUNCIL DIRECTIVE</i>	<i>ACCORDING TO</i>
CE compliance	Low voltage directive	EN60950-1
EN61000-6-4	EMC directive	EN61000-6-2
ISO	Manufactured under a registered quality program	ISO 9001:2008

IEEE 1613 (37.90.X) EMI immunity type tests

<i>TEST</i>	<i>DESCRIPTION</i>	<i>LEVELS</i>
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 Signal Ports 35 V/m ± 4 kV @2.5kHz
IEEE 37.90.1	Fast Transient	D.C. Power Ports Signal Ports ± 4 kV 2.5 kV common mode @1 MHz
IEEE 37.90.1	Oscillatory	D.C Power ports Signal Ports 2.5 kV common, 1 kV diff. Mode @1 MHz
IEEE 37.90	H.V. Impulse	D.C. Power ports Signal Ports 5 kV (fail-safe relay output) 5 kV
IEEE 37.90	Dielectric Strength	D.C. Power ports Signal Ports 2 kV ac 2 kV ac

Type Tests

<i>TEST</i>	<i>REFERENCE STANDARD</i>	<i>LEVEL</i>	<i>Notes</i>
Electrostatic Discharge	EN61000-4-2	Level 4	
RF immunity	EN61000-4-3	Level X	- 20 V/m, 80 MHz to 1 GHz - 20 V/m, 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	
Ripple on DC power supply	IEC61000-4-17		
Voltage Dip & interruption	IEC61000-4-29		
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	

TEST	REFERENCE STANDARD	LEVEL	Notes
Safety	EN60950-1		
RF Immunity	IEEE C37.90.2	20 V/m, 80 MHz to 1 GHz	
Oscillatory Surge	IEC61850-3	Level 4 (4 kV)	
Dielectric	IEEE 1613	2 kV, 500 V	
Impulse	IEEE 1613	5 kV	

I hereby declare that the product to which this declaration of conformity relates complies with the mentioned standard(s), and all products supplied under this Declaration will be identical to the sample identified in this Declaration.

Signed:



Signatory: Jared Laverty
Position: Technical Manager