

## Declaration of Conformity

**Date of Issue:** 1 November 2015

**Manufacturer:** Tekron International Ltd

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

**Model Number:** NTS100

### Declaration:

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

### Approvals and Certification

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

### IEEE 1613 (37.90.X) EMI immunity type tests

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

### Type Tests

<b>TEST</b>	<b>REFERENCE STANDARD</b>	<b>LEVELS</b>
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

**Type Tests**

<b>TEST</b>	<b>REFERENCE STANDARD</b>	<b>LEVELS</b>
Voltage Dip & interruption	IEC61000-4-29	
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 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