



EMC Test Report

Product Type : ICP DAS with Converter
Applicant : ICP DAS CO., LTD.
Address : No. 111, Kuangfu N. Rd., Hukon Shiang, Hsinchu, Taiwan 303, R.O.C
Trade Name : ICP DAS
Model Number : ET-7019Z
Test Specification : EN 55022: 2006+A1: 2007 / Class A
EN 55024: 1998+A1: 2001+A2: 2003
EN 61000-3-2: 2006 +A1:2009 +A2:2009 / Class A
EN 61000-3-3: 2008
Receive Date : Feb. 01, 2012
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Issue by

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Taiwan Accreditation Foundation accreditation number: 1330

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Verification of Compliance

Issued Date: 2012/07/19

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Applicant : ICP DAS CO., LTD.
Address : No. 111, Kuangfu N. Rd., Hukon Shiang, Hsinchu, Taiwan 303,
R.O.C
Trade Name : ICP DAS
Model Number : ET-7019Z
EUT Rated Voltage : AC 100-250V, 50-60Hz, 2.0A
Test Voltage : 230 Vac / 50 Hz
Applicable : EN 55022: 2006+A1: 2007 / Class A
Standard : EN 55024: 1998+A1: 2001+A2: 2003
EN 61000-3-2: 2006 +A1:2009 +A2:2009 / Class A
EN 61000-3-3: 2008

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.

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<http://www.atl-lab.com.tw/e-index.htm>



The above equipment has been tested by A Test Lab Techno Corp., and found compliance with the requirements set forth in the Electromagnetic Compatibility Directive 2004/108/EC and technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By



(Manager)

(Murphy Wang)

Reviewed By



(Testing Engineer)

(Charlie Chang)

TABLE OF CONTENTS

1	General Information	5
2	EUT Description.....	8
3	Test Methodology.....	15
3.1.	Decision of Test Mode	15
3.2.	EUT Exercise Software.....	15
3.3.	Configuration of Test System Details	16
3.4.	Test Site Environment.....	17
4	Emission Test	18
4.1.	Conducted Emission Measurement.....	18
4.2.	Radiated Interference Measurement	24
4.3.	Harmonics Current Measurement.....	33
4.4.	Voltage Fluctuation and Flicker.....	38
5	Immunity Test	42
5.1.	Electrostatic Discharge (ESD)	42
5.2.	Radiated Electromagnetic Field (RS).....	49
5.3.	Electrical Fast Transient/Burst (EFT)	53
5.4.	Surge	56
5.5.	Conducted Susceptibility (CS)	60
5.6.	Power Frequency Magnetic Field (PMF)	64
5.7.	Voltage Dips and Interruption.....	67
6	EUT Photograph	71

Feature of Equipment under Test :

The model listed below is series model to ET-7019Z.

Main	Software	Diversity	Mode 1
I-7019R	---	8-channel universal Analog Input Module with High voltage Protection	
M-7019R	---	8-channel universal Analog Input Module with High voltage Protection	
M-7019Z	---	10-channel Universal Analog Input Module	
M-7019Z-G/S	---	10-channel Universal Analog Input Module Includes the M-7019Z module and a DB-1820 Daughter Boar	
M-7019Z-G/S2	---	10-channel Universal Analog Input Module Includes the M-7019Z module, a DN-1822 Daughter Board and a 1.8 m Cable	
ET-7019Z	---	10-channel Thermocouple Input Module	
ET-7019Z/S	---	10-channel Thermocouple Input Module with DB-1820 Daughter Board	
ET-7019Z/S2	---	10-channel Thermocouple Input Module with DN-1822 Daughter Board and a 1.8 m Cable	
PET-7019Z	---	10-channel Thermocouple Input Module with PoE	
PET-7019Z/S	---	10-channel Thermocouple Input Module with DB-1820 Daughter Board and PoE	
PET-7019Z/S2	---	10-channel Thermocouple Input Module with DN-1822 Daughter Board ,1.8 m Cable and PoE	V
I-7018	---	8-channel Analog Input Module	
I-7018P	---	8-channel Analog Input Module	
I-7018R	---	8-channel Analog Input Module	
I-7018BL	---	8-channel Analog Input Module	
M-7018	---	8-channel Analog Input Module	
M-7018R	---	8-channel Analog Input Module	
M-7018Z/S	---	10-channel Thermocouple Input Module include M-7018Z module and DB-1820 daughter board	
M-7018Z/S2	---	10-channel Thermocouple Input Module with High Voltage Protection include M-7018Z module, DN-1822 daughter board and 1.8m cable	
ET-7018Z/S	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output Module Include ET-7018Z Module and DB-1820 Daughter Board	
ET-7018Z/S2	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output Module Include ET-7018Z Module, DN-1822 Daughter Board and 1.8 m Cable	
PET-7018Z/S	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output PoE Module Include PET-7018Z Module and DB-1820 Daughter Board	
PET-7018Z/S2	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output PoE Module Include PET-7018Z Module, DN-1822 Daughter Board and 1.8 m Cable	V
M-2017	---	8/16-channel Isolated Analog Input Module With High Voltage Protection	V
M-7002	---	4-channel AI, 5-channel DI and 4-channels Relay Output Module with DCON and Modbus Protocol	V
ET-7002	---	3-channel analog inputs, 6-channel digital inputs and 3-channel Relay outputs module	V
PET-7002	---	3-channel analog inputs, 6-channel digital inputs and 3-channel Relay outputs module PoE Module	

Main	Software	Diversity	Mode 1
I-7033	---	3-channel RTD Input Module	
I-7033D	---	3-channel RTD Input Module with LED display	
M-7033	---	3-channel RTD Input Module	
M-7033D	---	3-channel RTD Input Module with LED display	
I-7015	---	6-channel RTD Input Module	
I-7015P	---	6-channel RTD Input Module with 3-wire RTD lead resistance elimination	V
M-7015	---	6-channel RTD Input Module	
M-7015P	---	6-channel RTD Input Module with 3-wire RTD lead resistance elimination	
I-7016	---	2-channel Strain Gauge Input Module	
I-7016D	---	2-channel Strain Gauge Input Module with LED Display	
I-7016P	---	One-channel Strain Gauge Input Module	
I-7016PD	---	One-channel Strain Gauge Input Module with LED Display	
M-7016	---	Strain Gauge Input Module	
M-7016D	---	Strain Gauge Input Module with LED display	
ET-7016	---	2-channel strain gauge, 2-channel digital input and 2-channel digital Output module	
PET-7016	---	2-channel strain gauge, 2-channel digital input and 2-channel digital Output PoE module	V
I-7017	---	8-channel Analog Input Module	
I-7017F	---	8-channel Analog Input Module (Fast sampling version)	
I-7017FC	---	8-channel Current Input Module (fast sampling version)	
I-7017R	---	8-channel Analog Input Module with High Voltage Protection	
I-7017R-A5	---	8-channel High Voltage Input Module	
I-7017RC	---	8-channel Current Input Module with High Common Voltage Protection	
I-7017Z	---	10/20-channel Analog Input Module with High Voltage Protection	
M-7017	---	8-channel Analog Input Module	
M-7017R	---	8-channel Analog Input Module with High Voltage Protection	
M-7017R-A5	---	8-channel High Voltage Input Module	
M-7017RC	---	8-channel Current Input Module with High Common Voltage Protection	
M-7017Z	---	10/20-channel Analog Input Module with High Voltage Protection	
ET-7017	---	8-channel Analog Input with High Voltage Protection and 4-channel Isolated Digital Output Module	
PET-7017	---	8-channel Analog Input with High Voltage Protection and 4-channel Isolated Digital Output PoE Module	
ET-7017-10	---	10/20-channel Analog Input Module with High Voltage Protection Module	

Main	Software	Diversity	Mode 1
PET-7017-10	---	10/20-channel Analog Input Module with High Voltage Protection PoE Module	V
I-7021	---	One-channel 12-bit Analog Output Module	
I-7021P	---	One-channel 16-bit Analog Output Module	V
I-7041	---	14-channel Isolated Digital Input Module with 16-bit Counters	
I-7041D	---	14-channel Isolated Digital Input Module with 16-bit Counters and LED Display	
I-7044	---	4-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters	
I-7044D	---	4-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters and LED Display	V
I-7052	---	8-channel Isolated Digital Input Module with 16-bit Counters	
I-7052D	---	8-channel Isolated Digital Input Module with 16-bit Counters and LED Display	V
M-7052	---	8-channel Isolated Digital Input Module with 16-bit Counters	
M-7052D	---	8-channel Isolated Digital Input Module with 16-bit Counters and LED Display	
I-7055	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters	
I-7055D	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters and LED Display	
I-7055-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module	
I-7055D-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module with LED Display	V
M-7055	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters	
M-7055D	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters and LED Display	
M-7055-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module	
M-7055D-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module and LED Display	
I-7060	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters	
I-7060D	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters and LED Display	
M-7060	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters	
M-7060D	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters and LED Display	
M-7060P	---	4-channel Isolated DI and 4-channel Relay Output Module	
M-7060PD	---	4-channel Isolated DI and 4-channel Relay Output Module with LED Display	V
I-7065	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters	
I-7065D	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters and LED Display	
I-7065A	---	4-channel Isolated Digital Input and 5-channel AC SSR Output Module with 16-bit Counters	
I-7065AD	---	4-channel Isolated Digital Input and 5-channel AC SSR Output Module with 16-bit Counters and LED Display	

Main	Software	Diversity	Mode 1
I-7065B	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters	
I-7065BD	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters and LED Display	V
M-7065	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters	
M-7065D	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters and LED Display	
M-7065B	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters	
M-7065BD	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters and LED Display	
I-7188EX-MTCP	---	Modbus/TCP Embedded Controller	
I-7188EXD-MTCP	---	Modbus/TCP Embedded Controller with LED Display	V
I-7188E1	---	Ethernet to RS-232 converter	
I-7188E1D	---	Ethernet to RS-232 converter with LED Display	
I-7188E2	---	Internet communication controller with one RS-232, one RS-485 and one Ethernet	
I-7188E2D	---	Internet communication controller with one RS-232, one RS-485 ,one Ethernet and LED display	
I-7188E2-MTCP	---	Internet communication controller with one RS-232, one RS-485 ,one Ethernet and default Modbus/TCP firmware	
I-7188E2D-MTCP	---	Internet communication controller with one RS-232, one RS-485 ,one Ethernet default Modbus/TCP firmware and LED Display	
I-7188E3	---	Internet communication controller with one RS-232, one RS-485 ,one RS-422/RS-485 ,DI/O and one Ethernet	
I-7188E3D	---	Internet communication controller with one RS-232, one RS-485 ,one RS-422/RS-485 ,DI/O ,one Ethernet and LED display	
I-7188E3-232	---	Internet communication controller with two RS-232, one RS-485 and one Ethernet	
I-7188E3D-232	---	Internet communication controller with two RS-232, one RS-485 ,one Ethernet and LED display	
I-7188E4	---	Internet communication controller with three RS-232, one RS-485 and one Ethernet	
I-7188E4D	---	Internet communication controller with three RS-232, one RS-485 ,one Ethernet and LED display	
I-7188E5	---	Internet communication controller with four RS-232, one RS-485 and one Ethernet	
I-7188E5D	---	Internet communication controller with four RS-232, one RS-485 ,one Ethernet and LED Display	
I-7188E5-485	---	Internet Communication Controller	
I-7188E5D-485	---	Internet Communication Controller with seven-segment display	V
I-7510	---	Isolated RS-485 Repeater	
I-7510A	---	Isolated RS-422/485 Repeater/Converter	
I-7510AR	---	Three Way Isolated RS-422/485 Repeater/Converter	V
I-7520	---	Isolated RS-232 to RS-485 Converter	
I-7520A	---	Isolated RS-232 to RS-422/485 Converter	

Main	Software	Diversity	Mode 1
I-7520R	---	RS-232 to Isolated RS-485 Converter	
I-7520AR	---	RS-232 to Isolated RS-422/485 Converter	V
I-7522A	---	Embedded communication controller with one RS-485, one RS-422 and one RS-232	
I-7522AD	---	Embedded communication controller with one RS-485, one RS-422 and one RS-232 with LED Display	V
I-7530	---	Intelligent RS-232 to CAN converter	
I-7530A-G	---	Intelligent RS-232/485/422 to CAN converter	
I-7530A-MR	---	Modbus RTU to CAN converter	V
I-7530-FT	---	Intelligent RS-232/CAN low speed fault tolerant converter	
I-7540D-G	---	CAN to Ethernet Gateway	V
I-7561	---	USB to Isolated RS-232/422/485 Converter	V
I-7563	---	USB to Isolated RS-485 Active Star Wiring Converter	
uPAC-7186EX-FD-G	---	Programmable Automation Controller	
uPAC-7186EXD-FD-G	---	Programmable Automation Controller with LED Display	V
NS-205	---	Unmanaged 5-Port Industrial Ethernet Switch	
NS-205G	---	Unmanaged 5-Port Industrial 10/100/1000 Base-T Ethernet Switch	V
MSM-508	---	8-Port Layer 2 Managed Switch	
MSM-508FC-T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, Multi Mode, SC Type	
MSM-508FT-T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, Multi Mode, ST Type	
MSM-508FCS-T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, Single Mode, SC Type	
MSM-508FCS-40T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, (40 km)Single Mode, SC Type	V
MSM-508FCS-60T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, (60 km)Single Mode, SC Type	
ET-6060D	---	8-channel Digital Output and 10-channel Digital Input	V
SG-3011	---	Isolated Thermocouple Input Module	
SG-3013	---	Isolated RTD Input Module	
SG-3016	---	Isolated Strain Gauge Input Module	
SG-3071	---	Isolated DC Voltage Input/Output Module	
SG-3081	---	Isolated DC Current Input/Output Module	V
PW-3090-5S	---	Output Power Voltage +5V @ 2000mA	
PW-3090-5D	---	Output Power Voltage \pm 5V @ 1000mA	
PW-3090-12S	---	Output Power Voltage +12V @ 800mA	
PW-3090-15D	---	Output Power Voltage \pm 15V @ 300mA	
PW-3090-24S	---	Output Power Voltage +24V @ 400mA	V

Main	Software	Diversity	Mode 1
GPS-721	---	GPS Receiver and 1 DO, 1 PPS Output Module	V
GST-43-M	---	Seismic Switch with Metal casing	V
tM-R5	---	5-channel Relay Output Module	V
tM-AD5	---	5-channel Isolation Analog Input Module with High Voltage Protection	
tM-AD5C	---	5-channel Isolation Current Input Module	
tM-AD8	---	8-channel Isolated Analog Input Module with High Voltage Protection	
tM-AD8C	---	8-channel Isolation Current Input Module	V
USB-2019	---	8-channel Universal Analog Input Module with High Voltage Protection , include CN-1824	V
FR-2024iT	---	4-channel Isolated Analog Output Module	V
ZB-2026-T	---	Wireless 4-ch Voltage Input, 2-ch Voltage Output, 2-ch Digital Input and 2-ch Digital Output Module	V
WISE-7118Z/S	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Output PoE Module Include WISE-7118Z Module and DB-1820 Daughter Board	
WISE-7118Z/S2	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Output PoE Module Include WISE-7118Z Module, DN-1822 Daughter Board and 1.8 m Cable	
tM-SG4	---	RS-485 Pull-high/Pull-low and Termination Resistor Module	V
M2M-710D	---	Remote Maintenance with serial streaming Solution	V