



## 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 : LC-221  
Test Specification : EN 55022: 2010 +AC:2011 / Class A  
EN 55024: 2010  
EN 61000-3-2: 2006 +A1:2009 + A2: 2009 / Class A  
EN 61000-3-3: 2008  
Receive Date : Aug. 07, 2013  
Test Period : Aug. 07 ~19, 2013  
Issue Date : Sep. 02, 2013

### Issue by

A Test Lab Techno Corp.  
No. 140-1, Changan Street, Bade City,  
Taoyuan County 334, Taiwan R.O.C.  
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

**Note:** This report shall not be reproduced except in full, without the written approval of A Test Lab Techno Corp. This document may be altered or revised by A Test Lab Techno Corp. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, or any government agencies. The test results in the report only apply to the tested sample.

## Verification of Compliance

Issued Date: 2013/09/02

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 : LC-221  
EUT Rated Voltage : AC 100-240V, 50-60Hz, 2.0A  
Test Voltage : 230 Vac / 50 Hz  
Applicable : EN 55022:2010 +AC:2011 / Class A  
Standard : EN 55024:2010  
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.

No. 140-1, Changan Street, Bade City,  
Taoyuan County 334, Taiwan R.O.C.



Tel : +886-3-2710188 / Fax : +886-3-2710190

Taiwan Accreditation Foundation accreditation number: 1330

<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.

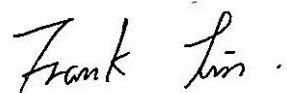
Approved By



(Manager)

(Murphy Wang)

Reviewed By



(Testing Engineer)

(Frank Lin)

**Feature of Equipment under Test :**

The model listed below is series model to LC-221.

Main	Software	Diversity	Mode 1
XV107A	---	8-channel Isolated Sink-type Digital Input and 8-channel Isolated Source-type Digital Output (RoHS)	
XV107	---	8-channel Isolated Source-type Digital Input and 8-channel Isolated Sink-type Digital Output (RoHS)	
XV110	---	16-channel Isolated Dry and Wet Contact Digital Input Module With 16-bit Counters (RoHS)	
XV111A	---	16-channel Isolated Source-type Digital Output Module (RoHS)	
XV111	---	16-channel Isolated Sink-type Digital Output Module (RoHS)	
XV116	XV107A	5-channel Isolated Digital Input and 6-channel Relay Output Module with 16-bit Counters (RoHS)	V
DN-8368GB	DN-8368GB	DN-8368GB is for general purpose usage	V
DN-8368MB	DN-8368MB	DN-8368MB is for Mitsubishi servo J2 Amplifier	V
DN-20M	DN-20M	Manual-Pulsar-Generator (MPG) and FRnet Input Board for PISO-PS600/VS600/PMDK	V
LC-131	LC-131	3-channel Digital Input Module with Open/Short Detection and 1-channel Relay Output (RoHS)	V
WF-2571	WF-2571	Ethernet to Wi-Fi Bridge (RoHS)	V
TPD-432F	---	4.3" Touch HMI device with RS-485 x 2, USB, RTC (RoHS)	V
TPD-433F	TPD-432F	4.3" Touch HMI device with RS-485, RS-232 (3 pin), USB, RTC, Ethernet (RoHS)	
PFN-2055	PFN-2055	PROFINET I/O Module (Isolated 8-ch DI & 8-ch DO) (RoHS)	
DN-843I-CT-1	---	3-channel 1 A Current Transformer (RoHS)	
DN-843I-CT-10	---	3-channel 10 A Current Transformer (RoHS)	
DN-843I-CT-20	---	3-channel 20 A Current Transformer (RoHS)	
DN-843I-CT-50	DN-843I-CT-50	3-channel 50 A Current Transformer (RoHS)	V
DN-848VI-80V	DN-848VI-80V	(RoHS)	V
I-2542-A	I-2542-A	RS-232/422/485 to Single-Mode 15 Km, SC Fiber optic converter, TX 1310 nm, RX 1550 nm (RoHS)	V
I-2542-B	I-2542-B	RS-232/422/485 to Single-Mode 15 Km, SC Fiber optic converter, TX 1550 nm, RX 1310 nm (RoHS)	V
I-2533	I-2533	CAN/Fiber Converter (RoHS)	V
I-7570	I-7570	Serial To HART Converter (Gray Cover) (RoHS)	V
HRT-710	HRT-710	Modbus RTU/ASCII to HART Gateway (RoHS)	V
DB-3R	DB-3R	Daughter Board for WDT-03	V
I-7188XC	---	Embedded controller, developing tool kit, 512K Flash, 128K SRAM, Minios7 (RoHS)	
I-7188XCD	I-7188XCD	Embedded controller with 5 digits seven segment display, developing tool kit, with 512k flash, 128K SRAM, Minios7 (RoHS)	V
LC-221	LC-221	1-channel Dimmer Control Module (RoHS)	V

Main	Software	Diversity	Mode 1
PET-7050	---	12-channel DI and 6-channel DO with 32-bit Counters PoE Module (RoHS)	V
ET-7050	PET-7050	12-channel DI and 6-channel DO with 32-bit Counters (RoHS)	
DL-100T485	---	DCON Protocol Based IP66 RS-485 Remote Temperature and Humidity Data Logger with LCD Display (Black Cover) (RoHS)	
DL-100TM485	---	Modbus RTU Protocol Based IP66 RS-485 Remote Temperature and Humidity Data Logger with LCD Display (Black Cover) (RoHS)	
DL-100T485-W	---	DCON Protocol Based IP66 RS-485 Remote Temperature and Humidity Data Logger with LCD Display (White Cover) (RoHS)	
DL-100TM485-W	DL-100TM485	Modbus RTU Protocol Based IP66 RS-485 Remote Temperature and Humidity Data Logger with LCD Display (White Cover) (RoHS)	
I-7561U	I-7561U	USB to Isolated RS-232/422/485 Converter (RoHS)	V
NS-208-IP67	NS-208-IP67	Industrial 8-port unmanaged IP67 Ethernet switch Includes IP67 RJ-45 Plug x 8, IP67 Power Plug x 1, Cap with Tether x 8 (RoHS)	V
DN-37	DN-37	I/O Connector Block (Pitch= 5.08 mm) with DIN-Rail Mounting and Dsub 37-pin connector (RoHS) Include one CA-3710 (37-pin Male-Male D-sub cable 1.0 M)	V

Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	LCD Monitor	DELL	U2711	CN0H530T7426105K043L	Non-Shielded, 1.8m
(2)	Keyboard	HP	KU-0316	BC3870DVBV1PJ	Power by PC
(3)	Mouse	Logitech	M-UAG96B	PID-LZ815AA	Power by PC
(4)	PC	SYNNEX	MBD-K6XV3	N/A	Non-Shielded, 1.8m
※ PC Keypart information					
Main		Software	Diversity		
(4)-1	WDT-03	WDT-03	Intelligent Watchdog Timer card		
(4)-2	PIO-D48	---	PCI bus 48-channel DIO board (RoHS)		
(4)-3	PIO-D48U	---	Universal PCI, 48-channel DIO board (RoHS)		
(4)-4	PIO-D48SU	---	Universal PCI, 48-channel DIO board (RoHS)		
(4)-5	PEX-D48	PIO-D48SU	PCI Express , 48-channel DIO board (RoHS)		
(4)-6	PISO-PS600	PISO-PS600	PCI Bus, High-Speed, DSP-based, 6-axis Motion Control Card with Frnet		
(4)-7	ISO-730	ISO-730	32-channel Isolated digital I/O and 32-channel TTL digital I/O Board. (RoHS) Includes one CA-4002 D-Sub connector		

Support Unit					
Product		Manufacturer	Model Number	Serial Number	Power Cord
1.	Industrial Power Supply	ICP DAS	DP-1200	N/A	Non-Shielded, 1.8m