

2 SETS “ YOKOGAWA - JAPAN ” EARTH TESTER TYPE 3235



CALIBRATION CERTIFICATE



YOKOGAWA

Certificate No	: SCL-6L-0750
Date of Issue	: 24-Nov-06
Reference Job No	: 6K2097-0 C
Customer	: R ENGINEERING SUPPORT CO.,LTD.
Address	: 208/32 MOOBAN MUANGTHONG 2/1, PATTANAKARN RD.,PRAVEJ BANGKOK 10250.
Instrument type	: EARTH TESTER
Model // Marker	: 3235 // YOKOGAWA
Serial No	: 68ND0125
ID No	: -
Date Receipt	: 21-Nov-06
Date Calibrated	: 24-Nov-06

This Certificate is issued in accordance with conditions of accreditation granted by the Thai laboratory Accreditation Scheme (Thai Industrial Standards Institute), which has assessed the measurement capability of the laboratory and its traceability to recognized national standard and to the units of measurement realized at the corresponding national standards laboratory. This certificate may not be reproduced other than in full except with the prior written approval of the Standards Calibration Laboratory's Quality Manager.

The Yokogawa (Thailand) Ltd. Standards Calibration Laboratory Certifies that the above mentioned instrument has been calibrated in accordance with accredited calibration procedure and its product manufacturing. The reported uncertainty of measurement provides confidence level of approximately 95 percent.

CALIBRATION
NO.0075**YOKOGAWA**

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The described instrument was calibrated under the environment conditions standards as specified.

Ambient temperature : 23 ± 2 °CRelative humidity : 50 ± 15 %

Function	Range	UUC (V)	Std. Before Adj. (V)	Std. After Adj. (V)	Uncertainty (±V)	kp
AC Voltage (50 Hz)	30 V	10	10.00	10.00	0.012	2
		20	20.00	20.00	0.017	2
		30	30.00	30.00	0.022	2
		(Ω)	(Ω)	(Ω)	(±Ω)	
Resistance	1000 Ω	1.0	0.84	1.00	0.0065	2
		2.0	1.93	2.06	0.0066	2
		10.0	9.80	9.97	0.0075	2
		20.0	19.97	20.10	0.0087	2
		100.0	99.47	100.30	0.019	2
		200.0	201.57	201.61	0.031	2
		1000.0	994.76	1000.10	0.14	2

Notes : 1. The report uncertainty is based on a standard uncertainty multiplied by a coverage factor k_p , where p is a specified level of confidence probability of approximately 95 % which based on a t-distribution.

2. UUC means Unit under Calibration.

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Reference Standards

Description	Maker // Serial no.	Calibrated by // Certificate no.
Digital Multimeter	Wavetek // 31203	Thai Airways // 106-3002

Traceability of the Yokogawa (Thailand) Ltd., Reference Standards

Reference standards of the NIMT which are used for calibrating of reference standards of the Yokogawa (Thailand) Ltd. Calibration Standards Laboratory.

Reference of Calibration Procedure or Document :

1) Calibration Procedure LCP-22C and LCP-23C.

Calibrated by : Ans Ketsom
(Mr. Chatorn Ketsom)

Checked by : Tawaid Komsai
(Mr. Tawaid Komsai)
Technical Manager
Standards Calibration Laboratory

Notes : 1) Thai Airways = Thai Airways International Public co., Ltd.