

مؤسسة المواصفات والمقاييس  
Jordan Institution for Standards and Metrology

## Certificate for Approval of a National Measurement Standard

No. 

|    |    |      |
|----|----|------|
| NS | 08 | 2010 |
|----|----|------|

According to instructions No.(2) for the year 2002 "Instructions of Organizing the Measurement and Calibration Activities in Jordan", issued pursuant to article (5) of the regulation of "National Measurement System", No.(31) for the Year 2001, and JISM law No.(22) for year 2000. JISM hereby approved the

**National Standards of Alternating Voltage  
(Measuring : 100 mV – 1000 V (40 Hz – 1 kHz))  
(Source : 10 mV – 700 V (40 Hz – 1 kHz))**

realized by measurement standards specified in the attached report No. 08/2010, to be kept and maintained by :

**Royal Scientific Society  
Jordan National Metrology Institute (JNMI)  
P.O. Box 1438, Al-Jubaiha 11941, Jordan**

The tasks and responsibilities of JNMI with regard to maintenance, traceability and documentation of the National Standards are laid down in the agreement No. 1/2009.

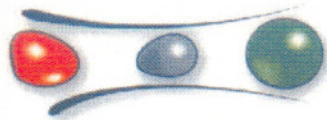
**Official Stamp**



Issue date: Feb. 1<sup>st</sup>. 2010

**Director General**

**Dr. Yaseen Khayyat**



**Jordan Institution for Standards and Metrology  
Metrology Department**

**National Standard of AC Voltage**

Report No. **08/2010**

Issue date : Feb. 1<sup>st</sup>, 2010

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| Information about the Laboratory |  | Environmental Conditions  |                 |
|----------------------------------|--|---------------------------|-----------------|
| <b>Lab Name:</b>                 | National Primary Laboratory for AC Electrical Measurement and Calibration / JNMI | <b>Temperature :</b>      | 23 °C ± 1 °C    |
| <b>Person in charge:</b>         | Eng Fawaz Allabadi - Director of Jordan National Metrology Institute             | <b>Relative Humidity:</b> | 50 % ± 10 %     |
| <b>Metrologist in charge:</b>    | Eng. Ibrahim Sehweil<br>Deputy: Eng. Mustafa Flaifel                             | <b>Air Pressure:</b>      | 90 kPa ± 10 kPa |

| Equipment                                  | Manufacturer & Model | Serial No. | Range                           | Class/Uncertainty | Certificate No.                 | Issued by   | Issued date | Valid until | Traceable to BIPM through |
|--|----------------------|------------|---------------------------------|-------------------|---------------------------------|-------------|-------------|-------------|---------------------------|
| Digital multimeter (measuring system)      | Agilent              | 2823A26805 | 10 mV – 700 V (40 Hz – 1 kHz)   | ± 40 ppm          | DKD:1104/2009                   | JNMI        | 1/10/2009   | 1/10/2011   | KRISS/KOREA               |
| Multifunction calibrator (variable source) | Fluke                | 8975208    | 100 mV – 1000 V (40 Hz – 1 kHz) | ± 130 ppm         | DKD:1103/2009                   |             | 1/10/2009   | 1/10/2010   | KRISS/KOREA               |
| AC/DC Transfer Standard with Shunts        | Fluke/792 A          | 7729001    | 1000 V                          | 30 ppm            | 0800-06214-001 & 0800-04701-008 | KRISS/KOREA | 12/12/2008  | 12/12/2013  | KRISS/KOREA               |
| DC High Voltage Probe (measuring System)   | Fluke                | 90290011   | 40 kV DC/AC                     | ± 0.04 % ~ ± 1 %  | 0900-02253-001                  | KRISS/Korea | 9/6/2009    | 9/6/2011    | KRISS/Korea               |

**Director of Metrology Department**

*O. Melhem*

**Eng. Osama Melhem**

**Official Stamp**



Fawaz Allabadi