


## Accreditation Scope

 <b>Test</b> <b>TS EN ISO/IEC 17025</b> <b>AB-0045-T</b>	<b>ELDAŞ</b> <b>Elektrik Elektronik Sanayi Ve Ticaret A. Ş.</b>	
	<b>Accreditation Number: AB-0045-T</b> <b>Revision Number: 03 Date: 25 September 2009</b>	
	<b>Deney Laboratuvarı</b>	
	<b>Address:</b> Organize Sanayi Bölgesi Büyük Selçuklu Blv. No:2 Sincan 06930 ANKARA / TÜRKİYE	<b>Phone</b> : 0 312 267 32 43 <b>Fax</b> : 0 312 267 17 61 <b>E-Mail</b> : eldas@eldas.com.tr <b>Website</b> : www.eldas.com.tr


Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
<b>Electricity Metering Equipment</b>	Electricity metering equipment (AC) -General requirements, tests and test conditions - Part 11: Metering equipment . All Tests	TS EN 62052-11:2005 EN 62052-11:2003 IEC 62052-11:2003
	Electricity metering equipment (a.c.) -Particular requirements - Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2) All Tests	TS EN 62053-11:2005 EN 62053-11:2003 IEC 62053-11:2003
	Electricity metering equipment (a.c.) -Particular requirements -- Part 21: Static meters for active energy (classes 1 and 2) All Tests	TS EN 62053-21:2005 EN 62053-21:2003 IEC 62053-21:2003
	Electricity metering equipment (a.c.) -Particular requirements - Part 22: Static meters for active energy (Classes 0,2 S and 0,5 S) All Tests	TS EN 62053-22:2005 EN 62053-22:2003 IEC 62053-22:2003
	Electricity metering equipment (a.c.) -Particular requirements Part 23: Static meters for reactive energy (classes 2 and 3) All Tests	TS EN 62053-23:2005 EN 62053-23:2003 IEC 62053-23:2003
	Var-Hour (Reactive Energy) Meters All Tests	TS 786 IEC 60145:1999 IEC 60145:1963
	Electricity metering (a.c.) - Tariff and load control - Part 21: Particular requirements for time switches	TS EN 62054-21: 2007 EN 62054-21: 2004 Article:7.5.2
	Electricity metering equipment (a.c.) -Part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B, and C) All Tests	TS EN 50470-1:2007 EN 50470-1:2006

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Electricity Metering Equipment continued)	Electricity metering equipment (a.c.) - Part 2: Particular requirements - Electromechanical meters for active energy (class indexes A and B) All Tests	TS EN 50470-2:2007 EN 50470-2:2006
	Electricity metering equipment (a.c.) - Part 3: Particular requirements - Static meters for active energy (class indexes A, B and C) All Tests	TS EN 50470-3:2007 EN 50470-3:2006
<b>ELECTROMAGNETIC COMPABILITY LABORATORY</b> (Information Technology Equipment)	Terminal disturbance voltage (150kHz - 30MHz) Emission disturbance (30MHz - 1 GHz)	TS EN 55022:2009/A1:2009-04 EN 55022:2006/A1:2007 CISPR 22:2008-09
Industrial, scientific and medical (ISM) radio-frequency equipment	Terminal disturbance voltage (150kHz - 30MHz) Emission disturbance (30MHz - 1 GHz)	TS 3327 EN 55011:2007/A2:2007-12 EN 55011:1998 /A1:2000 /A2:2007 CISPR 11:2009-02
Equipments which rated current up to 16 A.	Harmonics	TS EN 61000-3-2:2006-10 EN 61000-3-2:2006/A2:2009 IEC 61000-3-2:2009-02
	Voltage fluctuations and flicker (Short and long term)	TS EN 61000-3-3:2005/A2:2006-04 EN 61000-3-3:2008 IEC 61000-3-3:2008-06
Electrical and electronic equipment subjected to conducted directly and air static electricity discharges)	Electrostatic discharge immunity test (Conducted: 2 kV - 8 kV, Air: 2kV - 15 kV)	TS EN 61000-4-2:2005-02 EN 61000-4-2:2009 IEC 61000-4-2:2008-12
Electrical and electronic equipment subjected to radio frequency electromagnetic field	Radiated RF electromagnetic field immunity	TS EN 61000-4-3:2006/A1:2009-04 EN 61000-4-3:2006/A1:2008 IEC 61000-4-3:2008-04 Test Frequency:20 MHz-3GHz Field Level: up to30 V/m
Electrical and electronic equipment subjected to repetitive electrical fast transients)	Electrical fast transient / burst immunity	TS EN 61000-4-4:2006-04 EN 61000-4-4:2004 IEC 61000-4-4:2004-07
Electrical and electronic equipment subjected to unidirectional surges caused by overvoltages from switching and lightning transients	Surge immunity test	TS EN 61000-4-5:2007-03 EN 61000-4-5:2006 IEC 61000-4-5:2005-11

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Electrical and electronic equipment subjected to electromagnetic disturbances coming from intended RF transmitters	Immunity to conducted disturbances, induced by radio-frequency fields	TS EN 61000-4-6:2008-04 EN 61000-4-6:2009 IEC 61000-4-6:2008-10
Electrical and electronic equipment subjected to power frequency magnetic field in residential, commercial, and industrial applications	Power frequency magnetic field immunity	TS EN 61000-4-8:2004-04 EN 61000-4-8:1993/A1:2001 IEC 61000-4-8:2001-03
Electrical and electronic equipment connected to low-voltage power supply networks	Voltage dips, short interruptions and voltage variations immunity	TS EN 61000-4-11:2006-10 EN 61000-4-11:2004 IEC 61000-4-11:2004-03
Device which contains electrical and electronic equipment under operational conditions and shows ring waves.	Oscillatory waves immunity test	TS EN 61000-4-12:2007-07 EN 61000-4-12:2006 IEC 61000-4-12:2006-09
Residential, commercial and light-industrial environments devices	Electromagnetic compatibility (EMC) Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	TS EN 61000-6-3:2007-07 EN 61000-6-3:2007 IEC 61000-6-3:2006-07
	Part 6-3: Generic standards - Immunity standard for residential, commercial and light-industrial environments	TS EN 61000-6-1:2007-07 EN 61000-6-1:2007 IEC 61000-6-1:2005-03
<i>Industrial environments devices</i>	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments )	TS EN 61000-6-4:2007-07 EN 61000-6-4:2007 IEC 61000-6-4:2006-07
	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Immunity standard for industrial environments	TS EN 61000-6-2:2006-04 EN 61000-6-2:2005 IEC 61000-6-2:2005 -01
Information technology equipment	Information technology equipment - Immunity characteristics - Limits and methods of measurement	TS EN 55024:2008-04 EN 55024:1998/A2:2003 CISPR 24:2002-10
<i>Water meters</i>	Measurement of water flow in fully charged closed conduits - Meters for cold potable water and hot water immunity tests	ISO 4064-3:2005-10 (Madde 9.4.1-9.4.2-9.5.3-9.5.4-9.5.5-9.5.6)
	Electromagnetic immunity tests for water meters and equipments	BS EN 14154-3:2005/A1:2009-02 (Madde 6.3.1-6.3.2-6.4.3-6.4.4-6.4.5-6.6)

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
<i>Natural gas meters</i>	Electromagnetic immunity and emission tests for Diaphragm Gas meters	TS 5910 EN 1359:1999/T1:2003-12 (Madde C.5.1-C.5.2-C.5.4) EN 1359:1998
Medical electrical equipments	Electromagnetic immunity and emission tests for medical electrical equipments	TS EN 60601-1-2:2008-12 EN 60601-1-2:2007 IEC 60601-1-2:2007-03
Devices (meters) which contain electricity measurement equipment	Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 11: Metering equipment	TS EN 62052-11:2005-04 (Madde 7.5) EN 62052-11:2003 IEC 62052-11: 2003-02
<i>Household Appliances )</i>	Electromagnetic compatibility - Immunity tests for household appliances, electric tools and similar apparatus	TS EN 55014-2:2002-03/IS1:2009-01 EN 55014-2:1997/A2:2008 CISPR 14-2:2008-07
	Electromagnetic compatibility - Emission tests for household appliances, electric tools and similar apparatus	TS EN 55014-1:2007-07 EN55014-1:2006/A1:2009 CISPR 14-1:2009-02
Electrical equipment for measurement, control and laboratory use	Electromagnetic immunity and emission tests for electrical equipment for measurement, control and laboratory use	TS EN 61326:2003/A3:2006 TS EN 61326-1:2006-10 EN 61326:2006 EN 61326-1:2006 IEC 61326:2005-12
Control equipments for lifts and escalators	Electromagnetic compatibility - Product family standard for lifts, escalators and passenger conveyors - Immunity tests	TS EN 12016:2007-01/A1:2009-02 EN 12016:2004 (Only, electrical / electronical apparatus and sub-parts contain)
	Electromagnetic compatibility - Product family standard for lifts, escalators and passenger conveyors - Emission tests	TS EN 12015:2006-10 EN 12015:2004 (Only, electrical / electronical apparatus and sub-parts contain)
<i>Shielded Enclosures</i>	Anechoic chambers - Part 1: Shield attenuation measurement	TS EN 50147-1:2005-04 EN 50147-1:1996 (Only, 10 kHz-1 GHz frequency between)
<i>Equipments which rated current up to 16 A.</i>	Harmonic Immunity	TS EN 61000-4-13:2004 EN 61000-4-13:2002/A1:2008
	Voltage fluctuation immunity test	TS EN 61000-4-14:2003/A1:2006 EN 61000-4-14:1999/A2:2008
	Ripple on input power port immunity test	TS EN 61000-4-17:2003/A1:2006 EN 61000-4-17:1999/A2:2009

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Arc welding equipment	Electromagnetic immunity and emission tests for arc welding equipment	TS EN 60974-10:2009-02 EN 60974-10:2007
Low Voltage Power Supplies	Electromagnetic immunity and emission tests for low voltage power supplies, d.c. output	TS EN 61204-3:2005-04 EN 61204-3:2000
Road traffic signal systems	Electromagnetic immunity and emission tests for road traffic signal systems	TS EN 50293:2003-01 EN 50293:2000
Automatic electrical controls	Electromagnetic immunity and emission tests for automatic electrical controls for household and similar use )	TS 7425 EN 60730-1:2004/A16:2008 EN 60730-1:2000/A16:2007 (Article 23-Emission and Article 26-Immunity)
Alarm systems	Electromagnetic compatibility - Immunity tests for components of fire, intruder and social alarm systems	TS EN 50130-4:2002/A2:2004 EN 50130-4:1995/A2:203
Electrical relays	Electromagnetic emission tests for measuring relays and protection equipment	TS EN 60255-25:2001-11 EN 60255-25:2000
	Electromagnetic immunity tests for measuring relays and protection equipment	TS EN 60255-26:2006-01 EN 60255-26:2005 (Table 6.5 Excluding)
Electricity metering equipment	Part 1: General requirements, tests and test conditions - Electromagnetic immunity and emission tests for metering equipment (class indexes A, B, and C)	TS EN 50470-1:2007 EN 50470-1:2006 (Article 7.4)
	Part 2: Particular requirements - Electromagnetic immunity and emission tests for electromechanical meters for active energy (class indexes A and B)	TS EN 50470-2:2007 EN 50470-2:2006 (Article 8.7.7.8 ; 8.7.7.9; 8.7.7.13; 8.7.7.14; 8.7.7.15)
	Part 3: Particular requirements - Electromagnetic immunity and emission tests for static meters for active energy (class indexes A, B and C)	TS EN 50470-3:2007 EN 50470-3:2006 (Article 8.7.7.10; 8.7.7.11; 8.7.7.12; 8.7.7.14; 8.7.7.15; 8.7.7.16)
Technical conditions for radio equipment and services	Electromagnetic Compatibility and Radio spectrum Matter (ERM); Electromagnetic immunity and emission tests for Radio equipment and services	TS EN 301489-1 V1.8.1 :2009 ETSI 301489-1: V1.8.1 :2008 (Article 8.2 ve 8.7 Excluding)
Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz for radio equipment and services	Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electromagnetic immunity and emission tests for radio equipment and services	TS EN 301489-3 V1.4.1:2005 ETSI 301489-3: V1.4.1:2002 (ETSI 301489-1 Standards Article 8.2 and 8.7 Excluding)
Automotive and parts	Electromagnetic immunity and emission tests for motor vehicles and parts	72/245/AT:2002 72/245/EEC:2007

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Construction machinery	Electromagnetic immunity and emission tests for machines with internal electrical power supply	TS EN 13309:2004-03 EN 13309:2000
Earth-moving machinery	Electromagnetic immunity and emission tests for earth-moving machinery	ISO 13766:2006
Water meters	Electromagnetic immunity tests for water meters	OIML R 49-1:2006 (Article A.6.4; A.6.7; A.6.8; A.6.9; A.6.10)
Water meters	Electromagnetic immunity tests for water meters	OIML R 49-2:2006 (Article 7.5; 7.8; 7.9; 7.10; 7.11)
Dynamic measuring systems for liquids	Electromagnetic immunity tests for Dynamic measuring systems for liquids	OIML R 117-1:2007 (Article A.11)
Electronic measuring instruments	Electromagnetic immunity tests for electronic measuring instruments	OIML D 11:2004 (Article 12; 13)
<b>Cooking Appliances (Burning Gas)</b>	Domestic cooking appliances burning gas fuel- Part 1-1: Safety- general	TS 616-1-1 EN 30-1-1 2000 TS EN 30-1-1/AC 2005 TS 616-1-1 EN 30-1-1/A2 2006 TS 616-1-1 EN 30-1-1/A2/AC 2006 TS 616-1-1 EN 30-1-1/A3 2006
	Domestic cooking appliances burning gas - Part 1-4: Safety - Appliances having one or more burners with an automatic burner control system	TS EN 30-1-4 2006 TS EN 30-1-4/A1 2007
	Domestic cooking appliances burning gas-Part 2-1: Rational use of energy-General	TS 616-2-1 EN 30-2-1 1999 TS 616-2-1 EN 30-2-1/A2 2007 TS 616-2-1 EN 30-2-1/A1 2007
	Domestic cooking appliances burning gas-Part 2-1: Rational use of energy-General	TS EN 30-2-1/A1/AC 2005
	Domestic cooking appliances burning gas - Part 1-2: Safety - Appliances having forced-convection ovens and/or grills	TS 616-1-2 EN 30-1-2 2002
	Domestic cooking appliances burning gas - Part 2-2: Rational use of energy - Appliances having forced-convection ovens and/or grills	TS 616-2-2 EN 30-2-2 2002
	Domestic cooking appliances burning gas - Part 2-2: Rational use of energy - Appliances having forced-convection ovens and/or grills	TS 616-2-2 EN 30-2-2 2002

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
<b>Barbecues (Burning Gas)</b>	Specification for dedicated liquefied petroleum gas appliances- Barbecues for outdoor use	TS EN 498 2000 EN 498:1998
<b>LPG Appliances</b>	Specification for dedicated LPG appliances- Room sealed LPG space heating equipment for installation in vehicles and boats	TS EN 624 2000 EN 624:2000
<b>Heaters (Gas Burning Flueless)</b>	Specifications for dedicated liquefied petroleum gas appliances-Flueless non-Domestic space heaters not exceeding 10 kW	TS EN 461 2003 TS EN 461/A1 2007
<b>Industrial Type Cooking Appliances</b>	Gas heated catering equipment - Part 1: General safety rules	TS EN 203-1+A1 2009 EN 203-1:2005+ A1:2008
<b>Kitchen Devices (Açık Ocaklar)</b>	Gas heated catering equipment - Part 2-1: Specific requirements - Open burners and wok burners	TS EN 203-2-1 2006 EN 203-2-1:2005
<b>Kitchen Devices (Ovens)</b>	Gas heated catering equipment - Part 2-2: Specific requirements - Ovens	TS EN 203-2-2 2006 EN 203-2-2:2006
<b>Kitchen Devices (Boiling Pans)</b>	Gas heated catering equipment - Part 2-3: Specific requirements - Boiling pans	TS EN 203-2-3 2006 EN 203-2-3:2005
<b>Kitchen Devices (Fryers)</b>	Gas heated catering equipment - Part 2-4: Specific requirements - Fryers	TS EN 203-2-4 2006 EN 203-2-4:2005
<b>Kitchen Devices (Hot Water Heaters)</b>	Gas heated catering equipment - Part 2-6: Specific requirements - Hot water heaters for beverage	TS EN 203-2-6 2006 EN 203-2-6:2006
<b>Laundry Machines</b>	Domestic direct gas-fired washing machines of nominal heat input not exceeding 20 kW-Part 1:Safety	TS EN 12244-1 1998 EN 12244-1:1998
<b>Dryers</b>	Gas-fired type B tumble dryers of nominal heat input not exceeding 20 kW- Part 1: Safety	TS EN 12752-1 2002 EN 12752-1:1999
<b>LOW VOLTAGE TESTS HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES</b>	Household and similar electrical appliances - Safety - Part 1: General requirements	TS 2000 EN 60335-1 : 2005 EN 60335-1 : (2002);

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(LOW VOLTAGE TESTS HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES continued)	Household and similar electrical appliances - Safety - Part 2-6 : Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances	TS 2003 EN 60335-2-6 : 2004 EN 60335-2-6: (2003)
	Household and similar electrical appliances - Safety - Part 2-9 : Particular requirements for grills, toasters and similar portable cooking appliances	TS 2005 EN 60335-2-9 : 2004 EN 60335-2-9 (2003)
	Household and similar electrical appliances - Safety - Part 2.21: Particular requirements for storage water heaters	TS 2212 EN 60335-2-21 : 2005 EN 60335-2-21 (2003)
	Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters	TS 5107 EN 60335-2-30 : 2004 EN 60335-2-30: (2003)
	Household And Similar Electrical Appliances - Safety - Part 2-35 : Particular Requirements For Instantaneous Water Heaters	TS 6844 EN 60335-2-35 : 2004 EN 60335-2-35 (2002)
	Household and similar electrical appliances- Safety -Part 2 - 41: Particular requirements for pumps	TS EN 60335-2-41 : 2004 EN 60335-2-41: (2003)
	Household and similar electrical appliances - Safety - Part 2.58: Particular requirements for commercial electric dishwashing machines	TS EN 60335-2-58: 2006 EN 60335-2-58 (2005)
	Safety of household and similar electrical appliances - Part 2-42 : Particular requirements for commercial electric forced convection ovens, steam cookers and steam convection ovens	TS EN 60335-2-4 2: 2005 EN 60335-2-42(2003)
<b>LOW VOLTAGE TESTS</b> INFORMATION TECHNOLOGY EQUIPMENT	Information technology equipment - Safety - Part 1: General requirements	TS EN 60950-1: 2008 EN 60950-1(2006)
<b>LOW VOLTAGE TESTS</b> ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE	Safety requirements for electrical equipment for measurement, control and laboratory use-Part 1:General requirements for sterilizers and washer-	TS 2418 EN 61010-1 : 2003 EN 61010-1(2001)
	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials	TS EN 61010-2-040:2007 EN 61010-2-040 (2005)

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
<b>LOW VOLTAGE TESTS</b> ELECTRICAL EQUIPMENT OF MACHINES	Safety of machinery - Electrical equipment of machines - Part 1: General requirements	TS EN 60204-1 : 2008 EN 60204-1(2006)
<b>LOW VOLTAGE TESTS</b> MEDICAL ELECTRICAL EQUIPMENT	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance	TS EN 60601-1 : 2009 EN 60601-1(2006)
<b>LOW VOLTAGE TESTS</b> ARC WELDING EQUIPMENT	Arc welding equipment - Part 1: Welding power sources	TS EN 60974-1 : 2007 EN 60974-1(2005)
<b>LOW VOLTAGE TESTS</b> ELECTROMAGNETIC FIELDS - METHODS OF EVALUATION AND	Magnetic Field Measurement Test 1Hz - 400kHz 320µT - 80mT	TS EN 50366:2006 EN 50366(2003)
<b>LOW VOLTAGE TESTS</b> FINAL PRODUCTS	Environmental testing - Part 2-2: Tests - Test B: Dry heat	TS EN 60068-2-2: 2008 EN 60068-2-2(2007)
	Environmental testing - Part 2-1: Tests - Tests A: Cold	TS EN 60068-2-1: 2008 EN 60068-2-1 (2007)
	Environmental testing - Part 2: Tests - Test Eh: Hammer tests	TS EN 60068-2-75: 2000 EN 60068 - 2 - 75(1997)
	Degrees of protection provided by enclosures (IP code) (For electrical equipments)	TS 3033 EN 60529:1997 EN 60529/A1(1991)
	Environmental testing- Part 2: Test Sa: Simulated solar radiation at ground level	TS EN 60068 - 2 - 5: 2002 EN 60068 - 2 - 5 (1999)
	Environmental testing - Part 2-6: Tests - Tests Fc: Vibration (sinusoidal)	TS 2090 EN 60068-2-6 :2009 EN 60068-2-6(2008)
	Environmental testing -- Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	TS EN 60068-2-30: 2008 EN 60068-2-30(2005)
	Environmental testing - Part 2-78: Tests; Test Cab: Damp heat, steady state	TS EN 60068-2-78 :2007 EN 60068-2-78 (2001)
	Basic Environmental Testing Procedures Part 2: Tests- Test Ea and Guidance: Shock	TS 2155 EN 60068-2-27 1995 EN 60068-2-27 (2009)
	Basic environmental testing procedures Part 2: Tests- Test Eb and guidance: Bump	TS 2184 EN 60068-2-29: 2000 EN 60068-2-29 (1993)
Electric ovens for household use - Methods for measuring the energy consumption	TS EN 50304:2007 EN 50304:2009	

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
<b>NATURAL GAS METER</b>	Pressure Absorption Test	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 5.2 OIML R 31; 1995 ( E ) Article 6
	External Leak Tightness Test	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 6.2.2
	Error of Indication Test	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 5.1
	Resistance to Internal Pressure Test	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 6.2.3
	Meter Case Sealing	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 6.2.4
	Connections	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 6.2.5
	Resistance to Vibration	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 6.2.6
	Resistance to Impact	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1: May 2006 ( E ) Article 6.2.7

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(NATURAL GAS METER continued)	Ultraviolet Exposure Test	TS 5910 EN 1359/T1; December 2003 TS 5910 EN 1359; April 1999 EN 1359:1998/A1:May 2006 ( E ) Article 8.3.2
	In Service Gas meter of Error Indication-Diaphragm Gas Meter	OIML R 31;1995 ( E ) Article 5
	In Service Gas meter of Error Indication-Rotary and Turbine Gas Meter	OIML R 32;1989 ( E ) Article 5
	All Tests	71/318/AT Gas Meter Directive
<b>WATER METER</b>	Pressure Loss Test	TS 10021 Article 4 ISO 4064-3:2005 Article 7 OIML R 49-2 E 06 Article 6.7 Water Meter Directive 75/33/AT Article 3.4 TS EN 14154-3+A1 Article 5.11
	Static Pressure Test	TS 10021 Article 3 ISO 4064-3:2005 Article 6 OIML R 49-2 E 06 Article 6.2 Water Meter Directive 75/33/AT Article 3.3 TS EN 14154-3+A1 Madde 5.2
	Error (of Indication) Test	TS 10021 Article 2 ISO 4064-3:2005 Article 5 OIML R 49-2 E 06 Article 6.3 Water Meter Directive 75/33/AT Article 5 TS EN 14154-3+A1 Article 5.4
	Endurance Test	TS 10021 Article 5 ISO 4064-3:2005 Article 8 OIML R 49-2 2006 Article 6.9 Water Meter Directive 75/33/AT Article 5 TS EN 14154-3+A1 Article 5.13
	Reverse Flow Test	ISO 4064-3:2005 Article 5.11 OIML R 49-2 2006 ( E ) Article 6.6 TS EN 14154-3+A1 Article 5.12

## Accreditation Scope

	<p style="text-align: center;"><b>ELDAŞ</b> <b>Elektrik Elektronik Sanayi Ve Ticaret A. Ş.</b></p> <p style="text-align: center;">Accreditation Number: AB-0045-T Revision Number: 03 Date: 25 September 2009</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(WATER METER continued)	Absence of Flow Test	TS EN 14154-3+A1 Article 5.5
	Water Temperature Test (T30)	ISO 4064-3:2005 Article 5.9 OIML R 49-2 2006 ( E ) Article 6.4 TS EN 14154-3+A1 Article 5.6
	Water Pressure Test	ISO 4064-3:2005 Article 5.10 OIML R 49-2 2006 ( E ) Article 6.5 TS EN 14154-3+A1 Article 5.8
	Verification of Flow Profile Sensitivity Classes	TS EN 14154-3+A1 Article 5.9 ISO 4064-3:2005 Article 5.12 OIML R 49-2 2006 ( E ) Article 6.8

End of Scope

**Atakan BAŞTÜRK**  
Secretary General