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05.02.03 Mass, density, volume

05.02.04 Extension, tension

05.02.05 Hardness, elasticity, viscosity

05.02.06 Other parameters

05.03 **Sensors for time and time-based parameters**

05.03.01 Time, duration, time constants

05.03.02 Wavelength, frequency, oscillation, RPM

05.03.03 Speed

05.03.04 Event counting, occurrence

05.03.05 Flow, volume, current (gases)

05.03.06 Flow, volume, current (liquids)

05.03.07 Other parameters



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05.04	Sensors for temperature and caloric parameters
05.04.01	Temperature, temperature distribution
05.04.02	Heat, heat distribution, thermal conductivity
05.04.03	Other parameters
05.05	Sensors for climatic parameters
05.05.01	Humidity (gas), evaporation, precipitation, dew point, condensation
05.05.02	Humidity (solid matter)
05.05.03	Particle density
05.05.04	Wind direction, wind force, wind velocity
05.05.05	Barometric pressure
05.05.06	Room climate
05.05.07	Other parameters
05.05.08	CO ₂ sensor
05.06	Sensors for optical and acoustic parameters
05.06.01	Light intensity
05.06.02	Radiation
05.06.03	Opacity, absorption, transmission
05.06.04	Refraction, reflexion, remission, brilliancy
05.06.05	Chromaticity
05.06.06	Image detection, image evaluation
05.06.07	Sound, solid-borne sound, volume
05.06.08	Other parameters
05.07	Sensors for electrical and magnetical parameters
05.07.01	Voltage, current
05.07.02	Charge, capacitance
05.07.03	Field strength
05.07.04	Resistance, conductivity
05.07.05	Inductivity
05.07.06	Power, energy
05.07.07	Other parameters
05.08	Sensors for chemical parameters
05.09	Sensors for biological parameters
05.10	Sensor elements by technology
05.10.01	Potentiometer and resistive sensor elements
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05.10.03	Capacitive
05.10.04	Optoelectronic
05.10.05	Magnetic
05.10.06	Piezo electrical
05.10.07	Ultrasonic
05.10.08	UV and IR
05.10.09	Laser

05.10.10	Radar
05.10.11	X-rays
05.10.12	Other technologies
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05.11.01	Hydrogen
05.11.02	Oxygen
05.11.03	Ozone
05.11.04	Chlorine
05.11.05	Nitrogen
05.11.06	Carbon monoxide
05.11.07	Carbon dioxide
05.11.08	Nitrogen oxide
05.11.09	Hydrogen sulfide
05.11.10	Sulfur dioxide
05.11.11	Ammonia
05.11.12	Methane
05.11.13	Butane
05.11.14	Propane
05.11.15	Acetylene
05.11.16	Ethylene
05.11.17	Chlorocarbon
05.11.18	Cyclic hydrocarbons
05.11.19	Fluorinated hydrocarbons
05.11.20	Sulphur hexafluoride
05.11.21	Dioxin
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05.12.02	Redox potential
05.12.03	Oxygen
05.12.04	Chlorine
05.12.05	pH value
05.12.06	Cavities in liquids
05.12.07	Blood pressure
05.12.08	Pulse
05.12.09	Pulse oximetry
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06.01.01	Linear measurement devices
06.01.02	GPS positioning systems
06.02	Mechanical parameters
06.02.01	Force meters
06.02.02	Pressure meters
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06.03	Time and time-based parameters
06.03.01	Speed / acceleration meters
06.03.02	RPM measurement
06.03.03	Time / frequency distribution equipment (networks)
06.03.04	Time counters
06.03.05	Frequency and time standards
06.04	Thermal units
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06.05	Environmental parameters
06.05.01	Humidity meters, relative air
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06.07	Optical and acoustical parameters

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06.07.02	Optical time domain reflectometers
06.07.03	Optical power meters
06.07.04	Optical network analyzers
06.07.05	Fiber optic measurement equipment, miscellaneous
06.07.06	Sound level meters
06.08	Image / pattern recognition and processing
06.08.01	Image-processing software
06.08.02	Identification systems
06.08.03	Lighting systems for image / pattern recognition
06.08.04	Optical inspection systems
06.08.05	Equipment for image / pattern recognition and processing, miscellaneous
06.09	Electrical parameters
06.09.01	Analog measurement techniques
06.09.01.01	RF measurement equipment
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06.09.01.01.02	Power meters
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06.09.01.01.07	Signal generators	06.09.01.06.02	Variable loads, electronic loads
06.09.01.01.08	Sweep generators	06.09.01.06.03	Programmable loads
06.09.01.01.09	Noise figure analyzers	06.09.01.07	Hand-held measurement equipment
06.09.01.01.10	Measurement equipment for electrical / magnetic parameters, miscellaneous	06.09.01.07.01	Multimeters
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06.09.01.02	EMI measurement techniques	06.09.01.07.03	Hand-held measurement equipment, miscellaneous
06.09.01.02.01	EMI test systems	06.09.02	Digital measurement equipment
06.09.01.02.02	TEM-cells	06.09.02.01	Logic analyzers
06.09.01.02.03	Coupling / decoupling networks	06.09.02.02	Digital measurement equipment, miscellaneous
06.09.01.02.04	Reference radiators / comb generators	06.09.03	Communication test equipment
06.09.01.02.05	Measuring chambers for EME measurements	06.09.03.01	LAN analyzers
06.09.01.02.06	EMI test receivers	06.09.03.02	WAN analyzers
06.09.01.02.07	Field-strength measurement devices	06.09.03.03	PCI bus analyzers and measurement adapters
06.09.01.02.08	Near field probes	06.09.03.04	USB analyzers
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06.09.01.02.14	Power amplifiers	06.09.04.01	Test systems for analog mobile radios
06.09.01.02.15	Surge and burst test equipment	06.09.04.02	Test systems for digital mobile radios
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06.09.01.03	Accessories for RF and μW measurement equipment	06.09.04.04	Analyzers for digital mobile radio transmission
06.09.01.03.01	Measurement bridges / bridge circuits	06.09.04.05	Geographical radio-coverage analysis systems
06.09.01.03.02	Calibration kits	06.09.04.06	Type-approval test systems
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06.09.01.03.07	Directional couplers	06.09.05.04	Short-circuit localization devices, network analyzers
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06.09.01.03.10	Filters	06.09.05.07	RCD testers
06.09.01.03.11	Pulse limiters	06.09.06	Test systems
06.09.01.03.12	Baluns (balanced-unbalanced)	06.09.06.01	Semiconductor test systems
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06.09.01.03.14	RF measurement cables	06.09.06.03	Mixed-signal test systems
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06.09.01.05	General-purpose measurement equipment	06.09.06.08	Combination testers (in-circuit & function)
06.09.01.05.01	Voltmeters	06.09.06.09	VXI / VME bus test systems
06.09.01.05.02	Current meters	06.09.06.10	Benchtop ATEs, miscellaneous
06.09.01.05.03	Power meters	06.09.06.11	Real-time measured-value acquisition systems
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06.09.01.05.05	Signal generators	06.09.06.13	Test systems without adapters
06.09.01.05.06	Function generators	06.09.06.14	Measurement-data acquisition systems with distributed sensors
06.09.01.05.07	Pulse generators	06.09.06.15	Multiple-channel measurement systems (loggers)
06.09.01.05.08	Arbitrary waveform generators	06.09.06.16	Component testers for electronics (hardware-specific)
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06.09.08.17 Test pins
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07 Electronic design (ED / EDA)

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07.02 Generation software
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07.03.01 Simulation programs
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07.03.03 Verification programs
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07.04 Software for special applications
07.04.01 Software design programs, CASE tools
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08 Passive components

08.01 Inductors and accessories
08.01.01 DC inductors, filter reactors
08.01.02 Common mode chokes
08.01.03 Inductor cores, pressed cores
08.01.04 Laminated core inductors
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08.01.06 Transponder coils
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08.01.09 Ignition spark transformers

06.10 Specialized laboratory / test equipment
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06.10.04 Programming equipment
06.10.05 Visual inspection (with image processing)
06.10.06 Environmental simulation / test equipment
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06.10.08 Reference current sources
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06.10.10 Special electronics hand tools
06.10.11 ESD hand tools
06.10.12 Lab furniture
06.10.13 ESD benches
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07.05 Peripheral equipment for ED / EDA environments
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07.06 ED / EDA services
07.06.01 Development services
07.06.01.01 Software development
07.06.01.02 PCB design technology consulting
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07.06.01.14 Development of synthesis-capable functional models
07.06.01.15 Development services, miscellaneous
07.06.02 Manufacturing services
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07.06.02.02 Burn-in services
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07.07 Design and development systems
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08.01.13 L / C networks / power factor correction (PFC)
08.01.14 SMD inductors
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08.02.01.03	Film capacitors	08.04.04.04	Phase detectors / phase shifters
08.02.01.04	High-voltage capacitors	08.04.04.05	Delay lines
08.02.01.05	Ceramic capacitors	08.04.04.06	Mixers
08.02.01.06	Capacitors with non-standard dielectrics	08.04.05	Accessories
08.02.01.07	Capacitors, special design	08.04.05.01	Loads, coax
08.02.01.08	Plastic capacitors	08.04.05.02	Adapters, coax-coax
08.02.01.09	EMI capacitors	08.04.05.03	Adapters, coax-waveguide
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08.02.01.11	Capacitors and accessories for power factor correction (PFC)	08.04.05.05	Passive microwave components, miscellaneous
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08.02.01.18	Mica capacitor	08.04.07	Filters, resonators and oscillators
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09.01.01.01	Encoder switches	09.01.06.11	Specialized keyboards
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13.01.06	VME 64 modules
13.01.07	Profi bus modules
13.01.08	Field bus modules
13.01.09	LON bus modules
13.01.10	Mezzanine modules
13.01.11	Modules for other bus systems
13.01.12	Controllers, programmable
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13.02.06	Printer assemblies, miscellaneous
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13.04.09	Hybrid modules on ceramic substrates
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14 Automotive

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14.01.02	Direct fuel injection
14.01.03	Drive by wire
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14.01.09	Starter generators
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16.03	Business concepts / business development	16.05.02	Project assistance
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16.03.02	Start-up forum	16.05.04	Programming services
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16.03.06	Joint ventures	16.05.08	Quality management
16.03.07	Financial services / risk capital	16.05.09	Kitting
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17 Printed, flexible electronics

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