

Soldering Workstation



Workstation Frames		
ETABCONH20	Concept workstation frame, high model, 2030 x 900 mm, ESD table top	1 x
ESDSET1	ESD grounding set for workstation	1 x
ESDMAT600	ESD-table mat 600x400x2 mm	2 x
Equipment Panels		

PANCONH20	Concept device panel, 2.0 m, high model	1 x
PANSOCKETLEU	Schuko sockets under device panel, 4 pcs	1 x
Power Supply Units		
(S1) SU1	1-phase supply unit, 230 V	1 x
Modules		
(1) ELPSL2	1-phase schuko socket outlets, 2 pcs	1 x
(2) SSLF2900	Soldering station 100 W	1 x
SDKSDSERIE	Soldering tip set for SSLF2900/SDLF988D soldering station	1 x
(3) DCA305PS	Variable DC power supply, 0-30 V, 0-5 A	1 x
(4) TLMB12	Constant DC power supply, 2x12/15V,1A; 5/3.3V,3A; 1.5/3/4.5/5/6/9V,1A	1 x
(5) DYM410	Digital multimeter 3 3/4 digit	1 x
(6) TBS1052C	Digital oscilloscope, 50 MHz, 1 GS/s, 2 channels, education model	1 x
(7) ACA505	1 phase variable AC power supply, 0-50 V, 5 A	1 x
(8) SDLF861D	Digital hot air rework station	1 x
(9) SDLF988D	Soldering / desoldering station, 100 W	1 x
SDKSDSERIE	Soldering tip set for SSLF2900/SDLF988D soldering station	1 x
SDKPDSSERIE	Desoldering nozzle set for SDLF988D soldering station, 2 pcs	1 x
SDJHAP80	Hot air pencil for SDLF988D soldering station	1 x
SDJTWZ100	Desoldering tweezers for SSLF2900 and SDLF988D soldering stations	1 x
SDKTWSERIE	Tip set for SDJTWZ100 desoldering tweezers, 4 pcs	1 x
(10) ELPSL2	1-phase schuko socket outlets, 2 pcs	1 x
Accessories		
WHT890631	Steel shelf 1000x300 mm	1 x
WHT890631	Steel shelf 1000x300 mm	1 x
WHL859156	Suspension rail M1000	1 x

WSK91849003	Light rail, 4 x M500	1 x
WSKTIL850	LED Light	1 x
WHR855001	Hook set, 20 pcs	1 x
VALLOOPLED	Magnifying lamp, LED	1 x
VALLOOPLED_	Magnifying lamp, LED	1 x
SD468ESD	Fume extractor	1 x
SD468ESD_	Fume extractor	1 x
ELTOOLSET	Electronics tool set, 30 parts, ESD	1 x
SDTPF	Soldering training package	1 x
C20PU_ESD	Chair, black, polyurethane, ESD	1 x
C20PU_ESD	Chair, black, polyurethane, ESD	1 x
SDMICRO	Digital microscope	1 x

ETABCONH20 Concept workstation frame with upright tube module

- ESD-painted steel frame with upright tube module
- Height of the upright tube module 1300 mm from table top
- L-shaped ergonomic legs
- ESD table top with laminate surface, durable rounded plastic edges, colour light speckled grey
- The frame includes uprights for the device panel and perforated M1000 back panels between the uprights
- Accessories above the table top are attached to perforated uprights and can be positioned to suit individual needs
- Versatile and adjustable accessories facilitate ergonomic component storage and selection
- Adjustable height: 670-1120 mm
- Adjustment screws to eliminate the roughness of the floor
- Load capacity 500 kg, evenly loaded
- ESD Table top dimensions: 2030 x 900 mm



ESDSET1 ESD grounding set for workstation

- ESD connection box including 1 Mohm series resistor
- ESD grounding set for the workstation frame
- ESD grounding set for wrist straps
- ESD wrist strap, 2 pcs

ESDMAT600 ESD-mat for table

- Colour grey
- Discharge time <9 ms (5000V-500V), <34 ms (5000V-50V)
- Surface resistance 5...500MΩ
- Mat-to-earth resistance 5...500MΩ
- Max ambient temperature 440°C
- Consist of two rubber layers: dispersing and electric charges conducting
- Easy to keep the cleanness due to smooth surface
- Fitted with two 10mm male press studs
- Light-dispersing surface
- PVC free
- Sound-absorbent quality
- Dimensions 600x400x2 mm



PANCONH20 Concept device panel

- Panel for integrated electrical equipment
- Structure of the panel made of ESD powder painted steel
- Panel equipped with modular device system: devices can be easily added and removed
- Integrated modules are covered with polyester film to ensure long lifetime for the markings in the front panel
- Energy saving LED lighting integrated at the bottom of the panel
- Panel top can be opened
- All connectors are located at the bottom of the panel which enables placing the panel against a wall
- Height from the table top can be chosen freely
- Panel with: 2030 mm, max. 7 ¾ modules



PANSOCKETLEU Schuko sockets under device panel

- 4 pcs schuko sockets under device panel, 2 pcs at both ends

SU1 1-phase supply unit

- Operating voltage: 230 V ± 10 % AC, 50-60 Hz
- Main switch for the workstation with START position
- Green indicator light
- Integrated emergency switch, reset from the main switch
- Automatic restart prevention system e.g. after power failure
- 16 A thermal overload protector
- Fault current protection 0.03 A for all devices connected to the supply unit
- Earth terminal screw
- Outlets for the device modules
- Dimensions: ½-module, 125(W) x 200(H) mm



ELPSL2 1-phase socket outlets

- 2 pcs earthed schuko socket outlets
- Dimensions: ¼-module, 62.5(W) x 200(H) mm



SSLF2900 Soldering station

- Especially designed for lead-free soldering
- Power: 100 W
- $\pm 3^{\circ}\text{C}$ temperature stability
- Temperature adjustable 100-500°C (
- 32 VAC hi-recovery nichrome heating
- Auto power down after 15 minutes of idling
- 45 second ramp time to max temp setting
- LCD display which shows the temperature set and the current temperature (in °C)
- High quality housing ESD Safe Replaceable Soldering iron with a plug (detachable from base station)
- Pre-setting function for 3 temperatures
- Control Panel:
- All controls operate are on the LCD display screen
- Includes soldering station, soldering iron and stand for the iron
- Standard tip: SDK601
- Dimensions: ¾-module, 187.5(W) x 200(H) mm



SDKSDSERIE Soldering tip set

- Compatible with SSLF2900 and SDLF988D soldering stations
- 4 pcs soldering tips:

DCA305PS Variable DC power supply

- Output values: 0-30 V, 0-5 A
- Short-circuit protected
- Stepless adjustment for output voltage with fine tuning
- Stepless adjustment for current limitation with fine tuning
- Measurement of current and voltage with digital meters
- Output from 4 mm safety terminals
- Dimensions: ½-module, 125(W) x 200(H) mm



TLMB12 Fixed DC power supply

- Linear power supply
- 4 outputs, floating with respect to each other
- Outputs can be connected in series or in parallel
- Output values:
 - Output 1: 1.5 V / 3 V / 4.5 V / 5 V / 6 V / 9 V, 1 A
 - Output 2: 5 V / 3.3 V, 3 A
 - Output 3: 12 V / 15 V, 1 A
 - Output 4: 12 V / 15 V, 1 A
- Current limitation indicated by a LED
- Ripple: < 10 mVpp
- All outputs are short-circuit protected
- Voltage accuracy better than 100 mV
- Output from 4 mm safety terminals
- Dimensions: 1/2-module, 125(W) x 200(H) mm



DYM410 Digital multimeter

- 3 ¾ digit display 3999 steps
- Basic accuracy $\pm 0,5\% + 2$ digits
- Diode measurement and continuity testing
- Hold measurement .
- Relative measurement
- Duty cycle (%) measurement
- Temperature measurement with K type Thermocouple
- Backlit Facility
- Equipped with power supply
- Fuse at the front panel
- Standard accessories: manual, cable set
- Dimensions: ½-module, 125(W) x 200(H) mm



DC voltage

Range	100 μ V...1000 V
Best resolution	0.001 mV
Best accuracy	$\pm(0.5 \% + 2$ digits)

AC voltage

Range	100 μ V..1000 V
Best resolution	0.001 mV
Best accuracy	$\pm(1 \% + 5$ digits)

DC current

Range	10 μ A...10 A
Best resolution	0.01 μ A
Best accuracy	$\pm(0.8 \% + 2$ digits)

AC current

Range	10 μ A...10 A
Best resolution	0.01 μ A
Best accuracy	$\pm(1 \% + 5$ digits)

Resistance

Range 100 mΩ...40 MΩ
Best resolution 0,01 Ω
Best accuracy ±(0.8 % + 2 digits)

Capacitance

Range 1 pF...200 μF
Best resolution 0.001nF
Best accuracy ±(0,5 % + 3 digits)

Frequency

Range 1 Hz...500 kHz
Best resolution 0.001 Hz
Best accuracy ±(0.2 % + 2 digits)

Temperature

Range 0...+1300 °C
Best resolution 1 °C
Best accuracy ±(2 % + 3 digits)

TBS1052C Digital storage oscilloscope

- Bandwidth: 50 MHz
- 2 channels
- Sample rate (each channel): 1 GS/s
- Record length (each channel): 20 k points
- Vertical resolution: 8 bits
- Vertical sensitivity: 1 mV - 10 V / DIV
- Time base range (s/div): 2 ns - 100 s
- 7 inch WVGA (800X480) Active TFT Color Display
- 32 automated measurements
- Dual window FFT, simultaneously monitors both the time and frequency domains
- Integrated Courseware feature: Lab content can be loaded directly onto the oscilloscope, Students can review lab content, perform step-by-step instructions, record lab results and create lab reports all on the scope
- Dual channel frequency counter
- Zoom Function
- Advanced triggers including pulse and line-selectable video triggers
- Autoset and signal auto-ranging
- Autoset enable/disable feature with password protection
- USB 2.0 host port on the front panel for quick and easy data storage
- USB 2.0 device port on rear panel for easy connection to a PC
- Multiple language user interface
- Dimensions: 1 ¾ module, 437.5(W) x 200(H) mm
- Standard accessories: passive probes (one per channel), OpenChoice software, Traceable certificate of calibration - NIM/NIST, CD including: Courseware Editor software, Example Courseware labs, oscilloscope tutorials



ACA505 1 phase variable AC power supply

- Variable transformer 0-50 V, 5 A AC
- Galvanic isolation
- Overload protection
- Output: 4 mm safety terminals
- Digital meters for output voltage and current
- Voltage measuring: 0-10 V AC, best resolution 1 mV and 10-50 VAC 10 mV, accuracy 1 %
- Current measuring: 0-5 A AC, best resolution 10 mA, accuracy 1 %
- Main switch with indicator light
- Dimensions: 1 module, 250(W) x 200(H) mm



SDLF861D Digital hot air rework station

- Temperature Range: 100 to 500°C
- Power: 1000 Watts
- High quality housing ESD Safe
- Hot air station has three regular channels CH1, CH2 and CH3. Each channel parameters including temperature and airflow
- Real time operations by the magnetic switch.
- Large Power, rapid heating.
- Brushless whirlpool motor, wide range and adjustable airflow.
- Automatic cooling system which prolongs the lifetime of the heating element and protects the handle



SDLF861D includes:

- Control Unit
- 8 mm Single Pipe Focus Hood
- 6 mm Single Pipe Focus Hood
- 5 mm Single Pipe Focus Hood
- External Stand w/Auto Shut-Off
- Dimensions: ¾ module, 187.5(W) x 200(H) mm

SDLF988D Soldering / desoldering Station

- Combo unit: soldering and desoldering in one system
- Built-in compressor, no need compressed air supply
- Soldering: 32 VAC, 100 W, 150-480°C
- Desoldering: 32 VAC, 100 W, 300-450°C
- Tip temperature stability $\pm 3^{\circ}\text{C}$
- Vacuum switch located on the desoldering handle
- Delayed suction after switch release for clearing the tubes
- Automatic power down after 15 minutes
- Digital temperature setting and measurement
- ESD safe
- Includes: soldering/desoldering irons, stands for irons
- Standard tips SDK601 and SDKP412L
- Dimensions, full module, 250(W) x 200(H) mm



SDKSDSERIE Soldering tip set

- Compatible with SSLF2900 and SDLF988D soldering stations
- 4 pcs soldering tips:

SDKPDSSERIE Desoldering nozzle set

- Compatible with SDLF988D soldering/desoldering station
- 2 pcs desoldering nozzles
 - 1.2 mm
 - 1.5 mm

SDHAP80 Hot air pencil

- Suitable for soldering and desoldering SMD components
- Compatible with SDLF988D soldering station
- Heater power: 80 W
- Max. temperature 350°C (662°F)



SDJTWZ100 Desoldering tweezers

- Desoldering tweezers for removing SMD components
- Compatible with SDLF1000 and SDLF988D soldering stations
- Power: 2 x 50 W
- Temperature range 150 – 430°C



SDKTWSERIE Tip set for desoldering tweezers

- Compatible with SDJTWZ100 desoldering tweezers
- 4 pairs of desoldering tips:
 - 2 mm
 - 5 mm
 - 10 mm
 - 20 mm

ELPSL2 1-phase socket outlets

- 2 pcs earthed schuko socket outlets
- Dimensions: ¼-module, 62.5(W) x 200(H) mm



WHT890631 Shelf

- Construction made of ESD powder painted steel
- Fixed to upright tubes
- Load capacity: 50 kg
- Dimensions: 1000(W) x 300(D) mm



WHL859156 Suspension rail

- ESD powder painted steel construction
- Fixed to perforated back panel
- Width 967x100 mm



WEL806207 or WEL806211 Pick-up box

- Plastic pick-up box
- ESD protected
- Max. 9 pcs for WHL859156 suspension rail
- Dimensions: 105(W) x 165(D) x 75(H) mm WEL806207, 99(W) x 160(D) x 70(H) (WEL806211)

WSK91849003 Light rail

- Rail can be used to attach light ergonomically above the workstation
- Structure made of ESD-painted steel
- Height and depth adjustment
- Width: 4 x M500



WSKTIL850 LED light

- Good quality, bright and long lasting light.
- Luminous flux: 3800 lm
- Illuminance: 1800 lx
- Colour rendering index: Ra 80
- Colour temperature: 4000 K
- Product measurements (W x D x H): 850 mm x 67 mm x 80 mm



WHR855001 Hook set

- Hook set, attached to perforated back panels
- 20 pcs hooks e.g. for tools



VALRND550LED Magnifying lamp, LED

- The magnifier lamp is ideal for precise work The high quality loop 3D + 12D is a versatile powerful LED magnifying glass lamp with a double lens: a large 4" 3D lens (1.75x) with a smaller 12D lens with 4x magnification
- The LED lamps in the luminaire shed a clear and even light. They are long-lived (20000 h) and energy effective
- The lamp stands freely on the table and its power switch is on the stand. With the closable lid pressed on, the lamp also works as a regular workplace lamp
- Power 6 W
- Colour Temperature 6500K
- Luminous flux 570 Lumen
- Operating voltage: 220-240 V AC, 50 Hz



VALRND550LED Magnifying lamp, LED

- The magnifier lamp is ideal for precise work The high quality loop 3D + 12D is a versatile powerful LED magnifying glass lamp with a double lens: a large 4" 3D lens (1.75x) with a smaller 12D lens with 4x magnification
- The LED lamps in the luminaire shed a clear and even light. They are long-lived (20000 h) and energy effective
- The lamp stands freely on the table and its power switch is on the stand. With the closable lid pressed on, the lamp also works as a regular workplace lamp
- Power 6 W
- Colour Temperature 6500K
- Luminous flux 570 Lumen
- Operating voltage: 220-240 V AC, 50 Hz



SD468ESD Fume extractor

- ESD safe
- Wattage 20-22 W
- Max air volume: 95/115 CFM
- Voltage: 100-120 V (60 Hz). 220-240 V (50 Hz)
- Filter size: 130 mm²
- Dimensions: 182(W) x 136(D) x 200(H) mm
- Weight: 1,168 kg



SD468ESD Fume extractor

- ESD safe
- Wattage 20-22 W
- Max air volume: 95/115 CFM
- Voltage: 100-120 V (60 Hz). 220-240 V (50 Hz)
- Filter size: 130 mm²
- Dimensions: 182(W) x 136(D) x 200(H) mm
- Weight: 1,168 kg



ELTOOLSET Electronics tool set

- Professional electronics tool set
- 30 parts
- ESD protected design
- Tools included:
 - Side cutter - oval head
 - Needle nose pliers
 - Tip cutter - angled wide head
 - Ergonomic precision tweezers with straight, strong tips
 - Ergonomic precision tweezers with straight, very pointed tips for gripping fine wires
 - Ergonomic precision tweezers with straight, flat and rounded tips for simple gripping jobs
 - Screwdriver set, precision, ESD, slotted, Phillips, 6 pcs
 - Screwdriver set, precision, ESD, hexagon, 6 pcs
 - Screwdriver set, precision, ESD, hexagon nut driver, 6 pcs
 - Screwdriver set, precision, ESD, TORX, 6 pcs



SDTPF Soldering training package

- Soldering training kits including instructions and components
 - Training kit “SMD ruler”, 20 pcs
 - Training kit “SMD lights”, 10 pcs
 - Training kit “SMD smiley face”, 10 pcs
 - Training kit “Flasher”, 10 pcs
 - Training kit “Dice”, 10 pcs
 - Training kit “LEDs”, 10 pcs
- Vacuum pick up tool
- Tin roll, 0.8 mm
- Flux pen
- Flux remover pen
- Solder paste
- Paste dispenser, 10 pcs
- Standard: ICP-A610: “Acceptability of Electronic Assemblies”
- Soldering tip temperature tester
- Infrared thermometer
- Case



C20PU-ESD Chair

- ESD protected
- User-friendly and quick adjustability
- Large, ergonomically designed seat and backrest and lumbar support
- Black
- Polyurethane
- Height/backrest/tilt adjustment
- Castors with load-sensitive brakes
- Seat height: 440-620 mm



SDMICRO Digital microscope

- This high-quality microscope with digital camera and USB interface is a professional solution for tasks with diverse magnification requirements. It is designed to be used in quality control or educational purposes.
- The image of the object can be transmitted as a digital photo or video to a PC via the USB cable and displayed in exceptional detail.
- Resolution: 1280 x 1024
- Magnification: 20X - 90X
- Sensor: 1/3" Color CMOS
- Video frame rate: up to 30 Fps
- Illumination: 8 build-in Hightech LEDs
- ESD safe
- Metal stand for microscope, adjustable in all directions
- Software features: picture and video capturing (jpg, bmp, avi), editing and measuring pictures, LED control
- Contents: Microscope with digital camera and USB interface,



adjustable work stand and application software