

BASIC20 INSTRUMENT WORKSTATION

BASIC20 Instrument workstations and panels are designed to offer economically same features as other Teklab workbenches, but with smaller instrument panel and limited product range.

Typical applications are electrical engineering, electronics and product development workshops.

Highlights

Upper shelves

More storage space

Modular panel

Modular panel with high-level safety systems as standard

Robust construction

Strong steel frame construction

Lighting

Excellent LED lighting improves working ergonomics

Accessories

Versatile accessories make working routines easier

Compatibility

BASIC20 panel compatible with all table frame models

Space

L-shaped legs give lot of space under the workstation



BASIC20 PANEL

The panel is a very compact unit with only 215 mm depth and height. This leaves more space on the table top for working. The panel is fixed directly to the table top which makes it compatible with all table models (also customer's own tables).

The panel can be fitted with basic instruments and connections such as:

- Supply units 1- and 3-phase
- Sockets and safety terminal outputs

- Adjustable and fixed AC and DC power supplies
- Compressed air and data connections
- Multimeters
- Soldering stations

Modular construction not only makes it easy to customise the panel according to customer needs, but also gives the possibility to add new modules in the future.

ECONOMICAL WORKSTATION



WORKSTATION FRAME, TOWER

Tower Concept -workstation frame is highly flexible. Tall perforated upright tubes enable accessory placement at any height. Workstation can be equipped for example with:

- 1500, 1800 or 2000 mm width table frame
- Back panels with hooks and pick-up boxes
- PC racks and monitor holders
- Adjustable tops
- Lighting

Strong metal construction provides a load capacity of 500 kg evenly loaded. In addition, all accessories are made of powder-painted steel guaranteeing a long lifetime for workstation.

TEKLAB also provides comprehensive ESD protection systems for workstations and users, to limit the damages caused by electrostatic discharges.



Maintenance workstation, high



Automation workstation



Basic workstation, low

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DISTRIBUTOR:

BASIC20 Instrument workstation

TABCONH, TABSYSL, EP20L



TABCONH, EP20L



TABSYSL, EP20L

The BASIC20 workstation collection is designed to offer almost the same features as other Teklab workstation models, but at more affordable price with a smaller equipment panel and with a limited product range. BASIC20 uses its own 150 mm high device modules, see page 4. Typical applications in this workstation collection are electrical engineering, electronics and product development facilities.

- **Workstation frame**
 - ESD-painted stable steel frame
 - L-shaped ergonomic legs, stepless adjustable between 670-1100 mm
 - Height of the upright tube module 1300 mm from table top
 - Versatile and adjustable accessories enable ergonomic and practical working environment
 - Load capacity manually adjustment 500 kg, electrical model 400 kg, evenly loaded
 - Adjustment screws to eliminate the roughness of the floor
 - Table top with laminate surface, durable rounded plastic edges, colour light speckled grey
 - The core of the optional ESD-table top, as well as the laminate of the coating are semi-conductive
- **Device panel**
 - Device panel for integrated electrical instruments
 - Structure of the panel made of ESD-painted steel
 - Compact design, depth and height only 215 mm
 - Panel equipped with modular device system: devices can be easily added
 - Device panel is tilted to offer best usability
 - Installed on table top - compatible with all table frame models
 - The instrument panel can also be connected to the same workstation as the PANCONHxx panel models

Workstation frames, high model	Workstation frames, low model	Table top size, W x D (mm)
TABCONH15, TABCONH15E	TABSYSL15, TABSYSL15E	1530 x 900
TABCONH18, TABCONH18E	TABSYSL18, TABSYS18E	1830 x 900
TABCONH20, TABCONH20E	TABSYSL20, TABSYSL20E	2030 x 900
TABCONCH10	TABCONCL10	Corner workstation
E = Electrical height adjustment, ETABxxxxxx = ESD model		
Panels	Dimensions W x D x H (mm)	
EP20L15	1500 x 215 x 215	
EP20L18	1800 x 215 x 215	
EP20L20	2000 x 215 x 215	
Options EP20L panel	Description	
PANSOCKETLEU	2 x 2 pcs schuko sockets under device panel	
PANSOCKETLUK	2 x 2 pcs UK sockets under device panel	
PANSOCKETLUS	2 x 2 pcs US sockets under device panel	

EP15SU1

1 phase supply unit

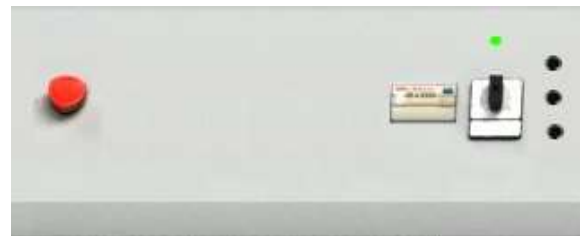
- Main switch for the workstation with START-position
- Green indicator light
- Integrated emergency switch, reset from the main switch
- Automatic restart prevention system e.g. after power failure
- Fault current protection (30 mA) for all devices connected to the supply unit
- Outlets for the device modules
- Dimensions: 300(W) x 150(H) mm
- Options: **EP15LOCK** Electricity locking module



EP15SU3

3 phase supply unit

- Main switch for the whole workstation with START position
- Green indicator light
- Integrated emergency switch, reset from the main switch
- Automatic restart prevention system e.g. after power failure
- Fault current protection (30 mA) for all devices connected to the supply unit
- Thermal overload protectors
- Outlets for the device modules
- Dimensions: 400(W) x 150(H) mm modules
- Options: **EP15LOCK** Electricity locking module



EP15NET

Supply unit control module

- Enables remote control for electricity in the workbench (requires TLC software)
- Features:
 - Connection permission for power
 - Power off control
 - Power on/off status information
- Key switch for bypassing software control
- Ethernet connection
- Dimensions 1005(W) x 150(H) mm
- Options: **EP15LOCKNET** Electricity locking module
 - Enables electronic remote control of table groups with EP15NET



EP15LOCK

Electricity locking module

- Electricity locking with key
- Enables electronic locking of one or a group of tables
- Dimensions: 100(W) x 150(H) mm
- Option:
 - Serialization for locks



EP15xx

Socket outlets

- Standard models:
 - EP15SCHUKO2 2 x schuko sockets
 - EP152GB 2 x UK-sockets
 - EP152US 2 x US-sockets
 - EP15CEE3 3-phase socket; CEE, 16 A
- Other socket models also available
- Dimensions: 100(W) x 150(H) mm



EP15DPANEL

USB and Ethernet connections

- EP15DPANEL Connection panel max. 4 connections
 - DETH RJ45 connection
 - DUSBA USB connection, type A
 - DUSBB USB connection, type B
 - DUSB2 2 x USB charger, type A, 5 V, 2.1 A
- Dimensions: 100(W) x 150(H) mm



EP15PS3

Safety sockets

- 3 phase safety socket output
- 4 mm safety connectors
- 3L+N+PE
- Dimensions: 100(W) x 150(H) mm



EP15PO2

Compressed air connection

- Compressed air connection, 10 bar, 2 outputs
- Output equipped with snap-on connectors
- Dimensions: 100(W) x 150(H) mm



EP15POA

Adjustable compressed air supply

- Adjustable output pressure 0.5-10 bar
- Meter for output pressure
- Output equipped with snap-on connectors
- Dimensions: 200(W) x 150(H) mm



EP15DCA305PS

Adjustable DC power supply

- Output values: 0-30 V, 0-5 A
- Short-circuit protected
- Stepless adjustment for voltage output
- Stepless adjustment for current limitation
- Measurement of current and voltage
- Output from 4 mm safety terminals
- Dimensions: 250(W) x 150(H) mm



EP15DCF242

Fixed DC power supply

- Output values: 24 V, 2 A
- Output floating
- Ripple: < 50 mVpp
- Short-circuit protected
- Current limitation indicated by a LED
- Voltage accuracy better than 100 mV
- Output from 4 mm safety terminals
- Dimensions: 100(W) x 150(H) mm



EP15DCF123

Fixed DC power supply

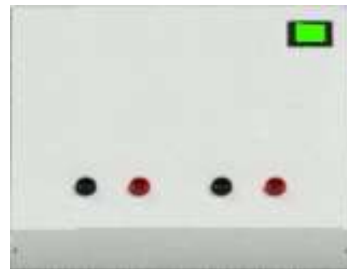
- Output values: 12 V, 3 A
- Output floating
- Ripple: < 50 mVpp
- Short-circuit protected
- Current limitation indicated by a LED
- Voltage accuracy better than 100 mV
- Output from 4 mm safety terminals
- Dimensions: 100(W) x 150(H) mm



EP15DCF3355

Fixed DC power supply

- Output values: 3.3 V, 5 A + 5 V, 5A
- Output floating
- Ripple: < 50 mVpp
- Short-circuit protected
- Current limitation indicated by a LED
- Voltage accuracy better than 100 mV
- Output from 4 mm safety terminals
- Dimensions: 200(W) x 150(H) mm



EP20ACF2302

Isolated 1 phase AC connection

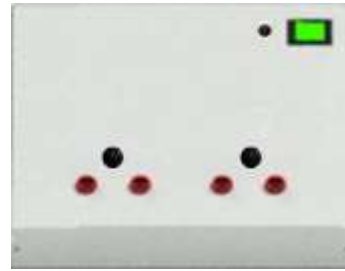
- Galvanically isolated AC output
- Output values: 230 V, 2 A, max. 500 VA
- Overload protectors for primary / secondary circuits
- Dimensions: 200(W) x 150(H) mm
- Options:
 - ACF SOCKET UK UK socket for AC outlet
 - ACF SOCKET US US-socket for AC outlet



EP15ACF242

Fixed AC power supply

- Galvanically isolated AC outputs
- Output values: 2x24 V, 2 A
- Overload protectors for primary / secondary circuits
- Dimensions: 200(W) x 150(H) mm



EP15ACF714

Fixed AC power supply

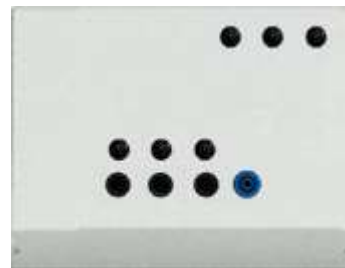
- Galvanically isolated AC outputs
- Output values: 2x14 V/1A, 7 V/2A
- Overload protectors for primary / secondary circuits
- Dimensions: 200(W) x 150(H) mm



EP15ACF421

3 phase AC connection

- Galvanically isolated 3 phase AC output
- Output: 24/42 V, 1 A
- Overload protectors for primary / secondary circuits
- Dimensions: 200(W) x 150(H) mm



EP20ACA505

1 phase variable AC power supply

- Variable transformer 0-50 V, 5 A AC, 250 VA
- 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: 300(W) x 150(H) mm



EP15DYM410

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
- Standard accessories: manual, cable set
- Dimensions: 100(W) x 150(H) mm



	Ranges	Best resolution	Best accuracy, \pm (a % of reading + b digits)
DC voltage	100 μ V - 1000 V	0.001 mV	0.5 % + 2
AC voltage	100 μ V - 1000 V	0.001 mV	1 % + 5
DC current	10 μ A - 10 A	0.01 μ A	0.8 % + 2
AC current	10 μ A - 10 A	0.01 μ A	1 % + 5
Resistance	100 m Ω - 40 M Ω	0.01 Ω	0.8 % + 2
Capacitance	1 pF - 200 μ F	0.001 nF	0.5 % + 3
Frequency	1 Hz - 500 kHz	0.001 Hz	0.2 % + 2
Temperature	0... +1300 $^{\circ}$ C	1 $^{\circ}$ C	2 % + 3

EP15FLUKE117

Digital multimeter

- AutoVolt automatic AC/DC voltage selection
- LoZ: helps prevent false readings due to ghost voltage
- Large white LED backlight to work in poorly lit areas
- True-rms for accurate measurements on non-linear loads
- Measures 20 A (30 seconds momentary; 10 A continuous)
- Resistance, continuity, frequency and capacitance
- Min/Max/Average to record signal fluctuations
- CAT III 600 V safety rated
- Equipped with power supply
- Dimensions: 100(W) x 150(H) mm



	Ranges	Max. resolution	Best accuracy, \pm (a % of reading + b digits)
DC voltage	600 V	1 mV	$\pm 0,5\% + 2$
AC voltage	600 V	1 mV	$\pm 1,0\% + 3$
DC current	10 A	1 mA	$\pm 1,0\% + 3$
AC current	10 A	0.01 A	$\pm 1,5\% + 3$
Resistance	40 M Ω	0.1 Ω	$\pm 0,9\% + 1$
Capacitance	10000 μ F	1 nF	$\pm 1,9\% + 2$
Frequency	50 kHz	0.01 Hz	$\pm 0,1\% + 2$

EP20SSLF2900

Soldering station

- Especially designed for lead-free soldering
- Power: 100 W
- $\pm 3^{\circ}\text{C}$ temperature stability
- Temperature adjustable 100-500 $^{\circ}\text{C}$
- 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 $^{\circ}\text{C}$)
- High quality housing ESD Safe Replaceable Soldering iron with a plug (detachable from base station)
- Pre-setting function for 3 temperatures
- All controls operate are on the LCD display screen
- Includes soldering station, soldering iron and stand for the iron
- Standard tip: SDK601
- Dimensions: 200(W) x 150(H) mm
- Options
 - SDKSDSERIE Tip serie, 4 pcs



EP15GAL

Galvanometer

- Quality measurement unit for current
- Mounted separately within the device panel giving easy access for operation and connections
- Connections with 4 mm safety terminals
- Range: -50 μA ...+50 μA
- Display resolution: analogue meter
- Accuracy: $\pm 1.5 \mu\text{A}$
- Dimensions: 100(W) x 150(H) mm



EP15DM

Digital volt- and ammeter

- Digital voltmeter
 - Quality measurement unit for DC voltage
 - Mounted separately within the device panel giving easy access for operation and connections
 - Connections with 4 mm safety terminals
 - Range: 0-20 V
 - Display resolution: 0.01 V
 - Display accuracy: $\pm 0.2 \text{ V}$
- Digital ammeter
 - Quality measurement unit for DC current
 - Mounted separately within the device panel giving easy access for operation and connections
 - Connections with 4 mm safety terminals
 - Range: 0-5 A
 - Display resolution: 0.01 A
 - Accuracy: $\pm 0.02 \text{ A}$
 - Dimensions: 150(W) x 150(H) mm

