

ENGEL

SOLDERING GUNS
FOR UNIVERSAL APPLICATION



The internationally approved and popular ENGEL soldering guns are high quality products which have been constructed with many years' experience. ENGEL soldering units meet both the high standard requirements of trade and industry as well as those of the amateurs and hobby electronics where there are required soft solder operations from time to time. Due to the quick preheating time – direct heating of the soldering tip – and quick cooling-off of the soldering tip, our soldering pistols are especially suitable for single joints as they are effected every day in the services business. The ENGEL soldering units have an energy saving function as the soldering tip is only heated as long as the operation switch is pressed down. This method also allows a certain temperature regulation. The operating switch cannot be locked while the unit is switched on. The units are equipped with a safety transformer which guarantees a high electric security. Further they are equipped with a built-in or attachable lighting to illuminate the soldering spot free of shade. All soldering tips can be exchanged easily. Our soldering units and the various shaped tips are suitable for multiple laboratory work, repair, assembling and hobby craft operations, f. i. such as at printed circuits or even at cross sections up to 12 mm². Our off the line, cordless, rechargeable ENGEL Soldering Unit B 50 is especially suitable where no mains supply is available or where a connecting cable would be disturbing. With this unit all soldering problems are handled easily. Soldering operations can be effected with this distinguished model absolutely potential free as required at very delicate electronic components. All our units impress due to their attractive design, excellent handiness and solid construction. For operations with our units we recommend soft solder wire "S-Sn99Cu1" with a flux core in accordance with EN 29454.



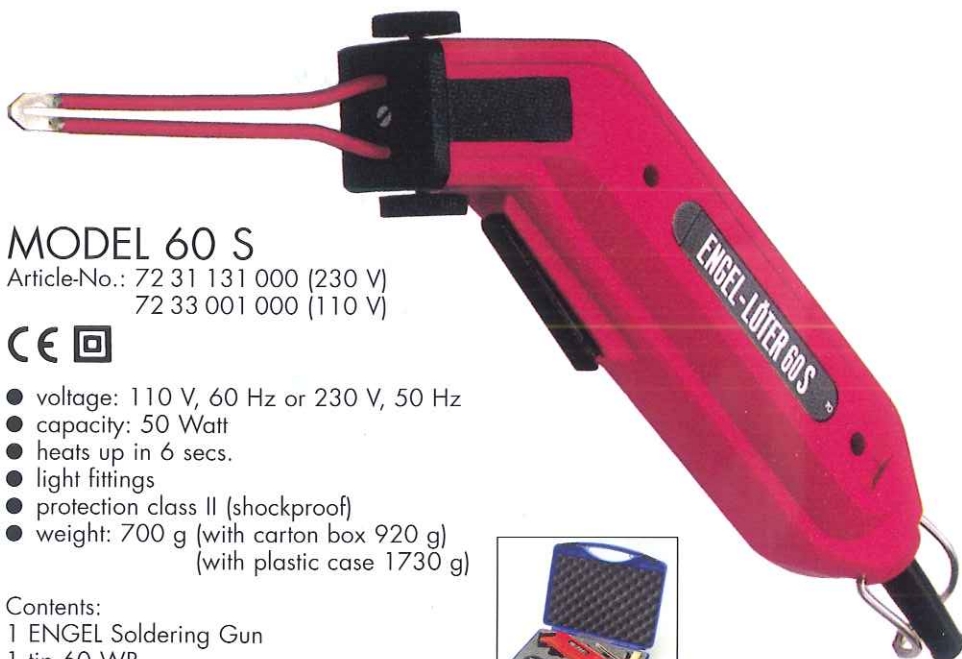
MODEL 100 S

Article-No.: 71 31 121 000 (230 V)
71 33 001 000 (110 V)



- voltage: 110 V, 60 Hz or 230 V, 50 Hz
- capacity: 80 Watts
- heats up in 6 secs.
- light fittings
- protection class II (shockproof)
- weight: 1000 g
(with carton box 1160 g)
(with plastic case 1970 g)

Contents:
1 ENGEL Soldering Gun
1 tip 100 WB
1 coil solder approx. 4 g
1 cleaning pad



MODEL 60 S

Article-No.: 72 31 131 000 (230 V)
72 33 001 000 (110 V)



- voltage: 110 V, 60 Hz or 230 V, 50 Hz
- capacity: 50 Watt
- heats up in 6 secs.
- light fittings
- protection class II (shockproof)
- weight: 700 g (with carton box 920 g)
(with plastic case 1730 g)

Contents:
1 ENGEL Soldering Gun
1 tip 60 WB
1 coil solder approx. 4 g
1 cleaning pad



SPARE SOLDERING TIPS TO ENGEL SOLDERING GUN MODELS 100 S, 60 S, 20 S



for ENGEL Soldering Gun Model 100 S:
type 100 WB, soldering area capability up to 12 mm²,
Stock No. 77 12 001 000



for ENGEL Soldering Gun Model 60 S:
type 60 WB, soldering area capability up to 2.5 mm²,
Stock No. 77 22 001 000



type 60 WS, soldering area capability up to 2 mm²,
Stock No. 77 21 001 000



for ENGEL Soldering Gun Model 20 S:
type 20 WB, soldering area capability up to 1 mm²,
Stock No. 77 32 001 000

MODEL B 50 SET

cordless · rechargeable

Article-No.: 75 11 002 000 (230 V)

75 13 001 000 (110 V)

- off the line, rechargeable Nickel Metal Hydride Batteries
- heats up in 9 secs.
- *) up to 350 consecutive soldering operations if temperature is regulated by switching on and off
- up to 100 soldering joints if tip is allowed to cool off and reheated for every 2 soldering joints
- light fittings (1 or 2 lights attachable by choice)
- fully rechargeable at night in approx. 8 hrs or during breaks
- built-in charging control, overcharging impossible
- safety knob to prevent accidental operation
- operational indicator
- tip temperature approx. 350° C
- long life tip protected against erosion and oxidation
- no disturbing external voltage while soldering
- weight: 160 g (with carton box 510 g) (with plastic case 1095 g)

*) This figure has been obtained at 0.5 mm dia. wire of electronic components without recharging the batteries. The lighting reduces the soldering efficiency by approx. 7 % per bulb. Total on-transition time per battery load is approx. 13 minutes.



Contents:

- | | |
|---------------------------|--------|
| 1 ENGEL Soldering Gun | B 50 A |
| 1 long life tip | B 50 D |
| 1 long life tip | B 50 H |
| 1 long life tip | B 50 G |
| 1 coil solder approx. 4 g | |
| 1 tip cover | B 50 T |
| 2 lights | B 50 E |
| 1 cleaning pad | B 50 R |
| 1 charging unit | B 50 L |
| 1 screw driver | |



ACCESSORIES TO ENGEL SOLDERING GUN B 50



CHARGING CABLE B 50 K

Stock No.: 70 78 001 000

- For recharging of the ENGEL soldering unit B 50 from 12 V d.c. sources.
- The charging cable plug will fit all standard low voltage (12 V d.c.) cigarette lighter sockets in cars and boats fitted with negative earth.
- As the recharging current is very low at approximately 0.15 A, there will be little drain only on the car battery even when the motor is not running.



SERVICE BOX B 50 B

Stock No.: 75 38 000 000

- For secure storage at the ENGEL soldering unit B 50 in the tool bag.
- A safe place to deposit the ENGEL soldering unit B 50 during charging operation in cars and boats.
- The indispensable, unbreakable case with the useful safety-lock.
- Soldering unit, soldering tip, screwdriver and cleaning pad fit into the Service Box.

SPARE TIPS AND PARTS TO ENGEL SOLDERING GUN MODELS S 50 + B 50



Long Life Tip B 50 D
Soldering area capabilities up to 2.5 mm²,
Stock No.: 77 51 001 000



Long Life Tip B 50 H
Soldering area capabilities up to 1.5 mm²,
Stock No.: 77 54 001 000



Long Life Tip B 50 G
Soldering area capabilities up to 6 mm²,
Stock No.: 77 53 001 000



Lights B 50 E
Stock No.: 70 77 000 000



Light Fitting B 50 M
Stock No.: 70 76 001 000



Tip Cover B 50 T
Stock No.: 70 76 000 000



Cleaning Pad B 50 R
Stock No.: 70 73 000 000



Recharging Unit Model B 50 L
Voltage: 110 V, 60 Hz or 230 V, 50 Hz
Dimension: 87 x 60 x 50 mm
Stock No.: 75 31 000 000 (230 V)
75 33 000 000 (110 V)

MODEL S 50

Article No.: 75 14 000 000 (230 V)
75 14 800 000 (110 V)



Contents:
1 ENGEL Soldering Gun
1 long life tip B 50 D
1 coil solder approx. 4 g
1 tip cover B 50 T
2 lights B 50 E
1 cleaning pad B 50 R
1 screw driver



- voltage: 110 V, 60 Hz or 230 V, 50 Hz
- capacity: 35 Watts
- heats up in 11 secs.
- light fittings
(1 or 2 lights attachable by choice)
- operational indicator
- tip temperature approx. 350° C
- long life tip protected against erosion and oxidation
- protection class II (shockproof)
- weight: 320 g (with carton box 440 g)
(with plastic case 920 g)



MODEL 20 S

Article No.: 73 11 000 000 (230 V)
73 13 000 000 (110 V)



Contents:
1 ENGEL Soldering Gun
1 tip 20 WB
1 coil solder approx. 4 g
1 screw driver
1 cleaning pad



- voltage: 110 V, 60 Hz or 230 V, 50 Hz
- capacity: 30 Watts
- heats up in 6 secs.
- operational indicator
- protection class II (shockproof)
- weight: 340 g (with carton box 460 g)
(with plastic case 940 g)

