

# A2 Multitrac SAW or GMAW and LAF 631 power source

**The A2 Multitrac Welding Package is designed to make your welding operation optimal and to increase the productivity and quality.**

The tractor carriage is four-wheel driven which ensures a constant and accurate travelling / welding speed also in inclined positions.

The tractor carriage is equipped with a handle to disengage the clutch for quick movements of the A2 Multitrac to new positions.

The A2 Multitrac can be delivered in two versions, for Submerged Arc Welding (SAW) with single wire welding or for Gas Metal Arc Welding (GMAW).

The LAF 631 welding power sources have excellent welding characteristics throughout the entire current and voltage range. Particularly good is the starting and re-ignition properties.

All welding data are set and monitored from the process controller PEK.

## Process controller PEK

The A2-A6 Process Controller can easily be pre-set by the user whereof the most will be able to use their native language. Manual control keys for wire feed and travel direction allow fast access to often used settings. Turn knobs allow easy adjustment of wire feed speed, voltage and travel speed during the process.

Up to 255 different parameter sets including secondary conditions can be stored and used during the welding process. These parameter sets can be given names and thus become easier to assign. PEK supports your system's maintenance and keeps track of its use.

## Applications

- Butt welding of flat plates
- Fillet welding of stiffeners and profiles
- Beam welding
- Inside welding of wind towers and vessels



## Productivity example

*Manual MIG/MAG compared with Mechanized UP welding*

- Horizontal welding, fillet joint, a=6 mm
- **Weight of weld metal:** 0.33 kg/m
- **Filler material:** OK 14.12, Ø 1.4 mm, mixed gas Ar+CO<sub>2</sub>
- **Parameters**
  - manual welding: 250A, 28 V = 4 kg/hour
  - mechanized welding: 350A, 34V = 6.5 kg/hour
- **Welding length**
  - manual welding: 12 m/hour
  - mechanized welding: 20 m/hour
- **Arc time factor manual welding:** 20%
  - gives a welding length of 2.4 m/hour
- **Arc time factor mechanized welding:** 75%
  - gives a welding length of 15 m/hour

**Increase in productivity: 625 %**

## Technical data

For technical data we refer to resp fact sheet:

A2 Multitrac SAW	XA00143220
A2 Multitrac GMAW	XA00143320
Process controller PEK	XA00143720
Power source LAF 631	XA00143820



A2-A6 Process Controller PEK

## Ordering information

### SAW

Qty.	A2 Multitrac SAW package
1	A2T Multitrac SAW with PEK
1	Plastic wire reel
1	Power source LAF 631
1	Contact nozzle M12, 3.0 mm (5 pcs.)
1	Feed roller 3.0-3.2 mm
<b>Ordering number 0460 656 980</b>	

### 15 m

Qty.	Cable package for LAF 631
1	Welding Cable 15 m, Area: 120 mm <sup>2</sup>
1	Return Cable 10 m, Area: 120 mm <sup>2</sup>
1	Control cable 15 m PEK – LAF/TAF
1	Reference cable, 10 m
1	EG 600 Earth lead clamp
<b>Ordering number 0460 662 980</b>	

### GMAW

Qty.	A2 Multitrac GMAW package
1	A2T Multitrac GMAW with PEK
1	Plastic wire reel
1	Power source LAF 631
5	Contact nozzle M10, 2.4 mm
1	Feed roller 2.4-2.5 mm
<b>Ordering number 0460 659 980</b>	

### 24 m

Qty.	Cable package for LAF 631
1	Welding Cable 24 m, Area: 120 mm <sup>2</sup>
1	Return Cable 10 m, Area: 120 mm <sup>2</sup>
1	Control cable 25 m PEK – LAF/TAF
1	Reference cable, 10 m
1	EG 600 Earth lead clamp
<b>Ordering number 0460 662 981</b>	

## Accessories for GMAW

Cooling unit 2H, 220V, 50/60Hz	0414 191 881
Hose (gas)	0190 270 101
Hose (cooling water)	0190 315 104
(state hose length in meters)	
Arc shield	0334 689 880

Accessories, Spare parts and Wear parts are handled in separate documentation

Address field

