

## MicorStick 160 At First Glance



**Getting It Right First Time (GIRTF)**

## BENEFITS of the MicorStick \_SMAW Process

### Long-lasting:

Its low weight and robust case ensure that you will be able to finish your work with the MicorStick 160 in a fast and flexible manner for a long time.

### Multifunctional:

The Lorch MicorStick 160 is always the tool of choice - whether you need to weld with basic, rutile, cellulose (CEL) or special electrodes with diameters of up to 4 mm. Better still, it provides long duty cycles, high power reserves and the possibility of TIG welding with Contact TIG ignition.

### Hot-start:

Thanks to the adaptive automatic Hot-start feature you can always count on perfect ignition.

### Anti-Stick System:

The Anti-Stick system prevents the electrode from sticking.

### **Arc-Force regulation:**

Arc-Force regulation supports the welding process with increased arc stability and optimised metal transfer.

### **Overvoltage protection:**

All machines included in Lorch's MicorStick series offer 100% compatibility with the latest connection standard and can be operated without any restrictions on all public mains supplies. This ensures that you will not damage your welding machine if accidentally hooking it up to 400 V mains voltage.

### **Battery-powered welding machine:**

The Lorch MicorStick 160 is also available as an accu-ready variant. This model is prepared for battery-powered welding and allows you to use up to 28 electrodes ( $\varnothing$  2.5 mm) on a single battery charge when welding with the Lorch MobilePower 1 battery pack. *(Send us a message to order optional Battery Pack & Carrying Rack)*

### **MICOR Technology**

The patented MICOR technology built into every MicorStick 160 allows you to utilise maximum power in the tightest of spaces. As soon as the current is reduced due to external disruptions, the system will mobilise significantly higher voltage reserves. The result is perfect electrode welding – including for CEL and other special electrodes.

### **Energy-efficient**

Utilising the latest MICOR industrial electronics and an automatic power savings mode, the Lorch MicorStick 160 achieves a superior level of efficiency and exceptionally low power consumption.

### **Unwavering**

In Stable-Arc the Lorch MicorStick 160 possesses a function that, in the higher current range, will automatically stabilise the arc through systematic frequency pulsing when operating on mains power. This provides for increased directional stability, reduces arc blow and translates to increased dynamics.

### **Extended range**

Our MICOR technology is responsible for the superior welding characteristics of the Lorch MicorStick 160 and guarantees a highly stable and forceful arc even if the machine is operated on cables with a length of up to 200 m or is hooked up to a generator.



A Close-up view of **NCPFIRST** GIRFT Approved Stick Metal Arc Welding (SMAW) Process:

The \*Lorch MicorStick 160\* delivers;

- Full micor power even in single-phase range.
- Light and robust
- MICOR Technology
- For basic, rutile, cellulose and special electrodes
- Energy-efficient
- Stable-Arc



Welder with the Lorch MicorStick 160 SMAW process and **Lorch MobilePower 1 Battery pack** and carrying rack.

## Control Concept

### Standard

- "3 steps to weld" operating concept
- One-button operation
- With electrode pre-selection for Standard and CEL
- Including on-demand TIG function



# Technical Data

## Electrode

welding range (in Amps)	10-150/160
current setting	infinitely variable
weldable electrodes (mm)	1,5 - 4,0

## TIG

welding range (in Amps)	15-160
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## Duty cycle

duty cycle 100% (in Amps)	110
Duty cycle 60% (in Amps)	120
Duty cycle at max. current (in %)	30%

## Mains

Mains voltage (in V)	230
Phases (50/60 Hz)	1~
Positive mains tolerance (in %)	15%
Negative mains tolerance (in %)	40%
Mains fuse (in Amps)	16
Mains plug	Schuko

## Dimensions and weights

Dimensions (LxWxH) (in mm)	340x130x215
Weight (in kg)	4,9

## Standards and approvals

Protection class (EN 60529)	IP23
Insulation class	F
Designation	CE, S
Standard	EN 60974-01

## Variants

- MicorStick 160 111.1600.0 \_\_ (Delivered as per NCPFIRST \_GIRFT Package)
- MicorStick 160 Accu-ready 111.1620.0 \_\_ (Delivered With Battery )

Order [now](#) this amazing **NCP**<sup>1st</sup> \*GIRFT\_Package\*