



Drive

**12V**

Spreading width



**0.8–6 m**

Agitator

**Grit up to 8 mm**

Metal parts

**Stainless steel**

Cables



Control panel



**LAS4**

or

App control



**LISA app**



Videos



## SNOW MACHINERY

# POLARO® E

Smart 12 V spreaders with LISA control or LAS4 control panel for even and targeted spreading of road salt, grit, and even fertiliser.

# POLARO® E – PERFECTLY EQUIPPED FOR WINTER, NO SPECIAL VEHICLE REQUIRED

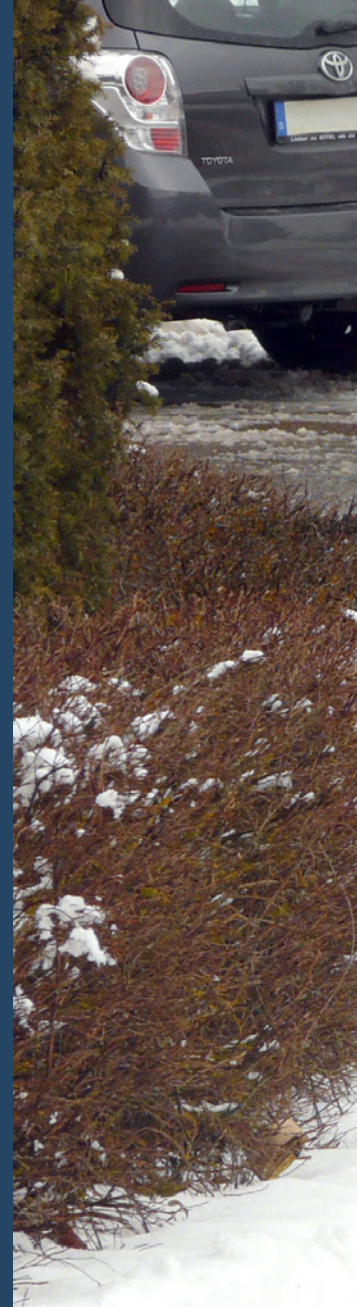
With the POLARO® E, salt, grit and sand – but also fertiliser – can be spread using virtually any vehicle with a 12 V supply. All mounting holes required for attachment are provided in the frame of the spreader. Thanks to the infinite adjustment of the spreader disc's rotational speed, the spreading width can be conveniently adjusted from 0.8 m – 6 m while on the move. The POLARO® E also allows the spreading dosage and all other switching and monitoring functions to be controlled from the driver's seat, either with the LISA control or LAS4 control panel, provided as standard.

## The advantages of the POLARO® E at a glance:

- Stepless adjustment of working width from 0.8 – 6.0 m (up to 12 m as an option)
- Operated via LAS4 control panel or LISA app control
- The LISA app is available free of charge for Android and iOS
- Electronic, infinite adjustment of the spreading dosage
- Speed-dependent dosing via AUTO-DOSIS optional with LAS4 control panel, standard with LISA App control
- One-sided spreading manually adjustable on the spreader
- Frame, valve, and spreading disc made from stainless steel as standard
- Cables protected in waterproof junction box
- Autostart separates agglomerated spreading material
- Stainless steel agitator with patented LEHNER agitator system guarantees a continuous flow of free-flowing material
- 24V operation is possible using a transformer





## OPTIONAL for hopper sizes 110 l and 170 l:

Saline agitator for slow-flowing salt (e.g. very fine, damp salt) available at extra cost.



For further information visit: [www.lehner.eu](http://www.lehner.eu)

## POLARO® E TECHNICAL DATA

				
Hopper capacity (litres)	70 l	110 l	170 l	250 l
Dimensions (LxWxH) in mm	490x585x870	490x585x1,050	690x610x1,100	785x670x1,230
Weight	29 kg	38 kg	42 kg	53 kg
Capacity, salt	approx. 90 kg	approx. 140 kg	approx. 220 kg	approx. 325 kg
Spreading area at 20 g/m <sup>2</sup>	approx. 4,500 m <sup>2</sup>	approx. 7,000 m <sup>2</sup>	approx. 11,000 m <sup>2</sup>	approx. 16,250 m <sup>2</sup>
Battery cable / control cable	3 m / 3 m	5 m / 6 m	5 m / 6 m	5 m / 6 m
Motor power	Spreading disc: 60 W / Agitator: 150 W			
Power consumption	When starting, up to 24 A, normal operation up to 13 A			
Operating temp./storage temp.	-10 to +70 °C / -30 to +70 °C			



■ **A perfect team for footpaths:**  
Narrow-gauge tractor with snow blade  
and a POLARO® E on board

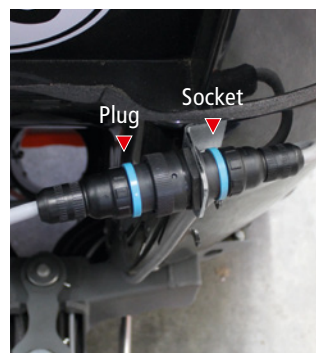
**Spread with comfort and convenience using the LAS4 control panel or LISA app control – the choice is yours!**



As well as setting the working width, all other switching functions are also controlled from the control panel or via the app. These include On/Off, adjusting the valve for the spreading dosage, checking the voltage, setting the empty indicator, etc. What's more, the app and control panel also issue a visual and acoustic warning when the valve is not in position, for example, or the hopper level is down to minimum. With AUTO-DOSIS as standard for speed-dependent dosing, LISA app control offers even greater convenience (see overleaf).



**Patented agitator system:**  
The stainless steel agitator with patented LEHNER agitator system keeps the material flowing freely. This helps to prevent the contents from compressing and ensures a continuous flow of spreading material.



**OPTIONAL: Cable connection**  
A cable connection with connector/socket hugely simplifies the handling of the spreader, as you don't have to remove the entire control cable (6 m). Simply undo the plug connection, take off the spreader and possibly the attachment as well, finished!

## Speed-dependent dosing with AUTO-DOSIS



The menu of the AUTO-DOSIS control unit contains spreading charts from the manufacturer. If necessary, the manufacturer can install further spreading charts (if available).

After you have entered the desired parameters, the AUTO-DOSIS (optional with the LAS4 panel, standard with LISA control) automatically reacts to the driving speed – that is, to braking and acceleration as well – and controls the dosing valve accordingly. This keeps the discharge rate ( $\text{g}/\text{m}^2$ ) constant all the time.

### 1. AUTO-DOSIS via 7-pin signal socket

The driving speed is recorded via the 7-pin signal socket on the tractor, and transmitted to the LAS4 control panel. In this version, the signal socket also includes the headland management system.

### 2. AUTO-DOSIS via GPS receiver

The speed is determined by GPS and transmitted to the LAS4 control panel.

### 3. AUTO-DOSIS with LISA control as standard

The speed data are determined and processed by the GPS of the LISA control.



7-pin headland management cable (accessory)



GPS receiver (accessory)

## ACCESSORIES

You can find further brackets and special accessories for the POLARO® E at [www.lehner.eu](http://www.lehner.eu)



**Spare wheel bracket** for attaching the spreader to an all-terrain vehicle. One hole is pre-drilled – two more may be required as per hole pattern.



**Adjustable pick-up bracket** (hot-dip galvanized) with plenty of options for adapting to almost any pick-up model.



**Holding device for tailboard** for attaching to a vertical wall – secure the spreader easily using two set screws.



**Three-Point-Frame CAT 0, CAT I, CAT II** for attaching to the top and bottom links of the hydraulics (front or rear installation).



**Drawbar coupling holder, lowerable** – for easy attachment of the POLARO® E 250 to a wheel loader or forklift truck.



Suitable for:  
**POLARO® E 70–170 I**

**Drawbar coupling holder, foldable** – simple access to the rear of the wheel loader or forklift truck without detaching the spreader.



**Saline agitator for slow-flowing materials** – this agitator is not suitable for grit or sand.



**Cable connection (plug/socket)** – water-tight – for disconnecting the main cable between the spreader and the control panel.

