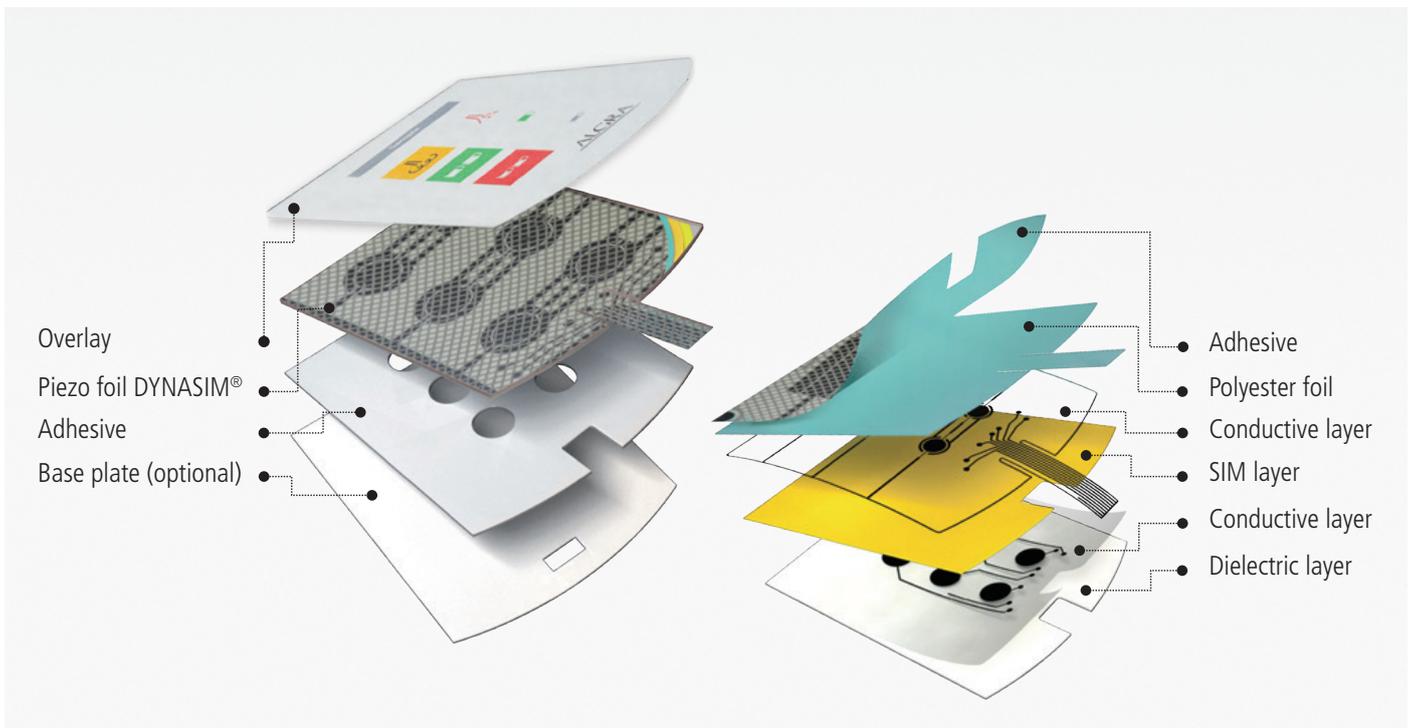


## DYNASIM®

PIEZO TECHNOLOGY FOR INPUT SYSTEMS  
SUITABLE FOR LARGE VOLUMES

ALGRA



***'The DYNASIM® keyboard is extremely robust, resistant and long-lasting.'***

**DYNASIM® consists of piezo layers, electrical conductors and insulators printed on polyester film via a screen printing process. The keypress generates a charge which is used as a switch signal. Due to sturdy overlay material the DYNASIM® keyboard is extremely robust, resistant and long-lasting.**

Resistance against vandalism, a switching guarantee and a high level of user-friendliness belong to the most important qualities of this unique keyboard which is based on piezotechnology.



parking meter TOMeco of Taxomex AG

## Advantages

- Various overlay materials possible
- EMC shielding integrated
- Extremely robust
- Large batches possible, same as membrane keyboards
- Convex form possible
- Choice of key size
- Vandal resistant
- Adjustable touch sensitivity

## Typical applications

- Washing machines
- Dish washers
- Coffee machines
- Cash machines
- Vending machines
- Cashless payment systems
- HiFi systems
- Elevators
- Parking meters
- Industrial controls
- And many more

***'Whether of reasons of design, lighting, robustness, agility or resistance against vandalism: there are many positive arguments for DYNASIM®.'***

The pathless operation allows a simple and solid construction with a small depth of installation. Furthermore there can be chosen out of many overlay materials.

**Large volumes:** The DYNASIM® keyboard combines all the advantages of Algra piezo keyboards and offers attractive prices at high volumes. It can be mass produced with largely automated methods thanks to screen printing processes.

### Overlay possibilities

Polycarbonate/plexi:

Aluminium:

Stainless steel:

Glass:

### Thickness

0.2–0.8 mm, norm 0.5 mm

0.3–0.5 mm, norm 0.3 mm

0.3–0.4 mm

0.5 mm

The choice of material strength can be influenced by the size of the keys and the key spacing.

### Technical data

Operation force: 0.5 to 100 N

Required operation speed: approx. 10 N/s

Storage temperature: –40°C to +85°C

Operating temperature: –40°C to +60°C

No. of press cycles: > 10 million

Algra tec AG  
Rigistrasse 1  
5634 Merenschwand  
www.algragroup.ch

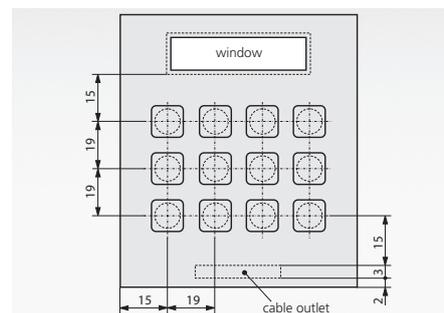
+41 56 675 45 45

gravuretec sa  
Stadtgraben 7  
3235 Erlach  
www.algragroup.ch

+41 32 338 94 44

Trimada AG  
Gewerbering 14  
5610 Wohlen  
www.trimada.ch

+41 56 618 77 00



Algra tec AG  
Rigistrasse 1  
5634 Merenschwand

info@algragroup.ch  
www.algragroup.ch

Switzerland

+41 56 675 45 45

**ALGRA**  
industrial technology

**gravuretec**  
precision works

**connect tec**  
worldwide technologies

**TRIMADA**  
electronic systems

2019/08