

# iD-Case 18

DESIGN ENCLOSURE FOR YOUR ELECTRONIC

SYSTEM SOLUTIONS  
ENCLOSURES & COMPONENTS  
ROTARY SWITCHES

## ENCLOSURE PLATFORM WITH MULTIPLE FEATURES AND BENEFITS

### CLEVER CONSTRUCTION MEETS REFINED DESIGN AESTHETICS

The iD-Case 18 extends Elma's successful, award-winning design enclosure range. This enclosure makes a powerful impression through its outstanding design, ergonomic operation and clever construction.

#### CLEVER CONSTRUCTION

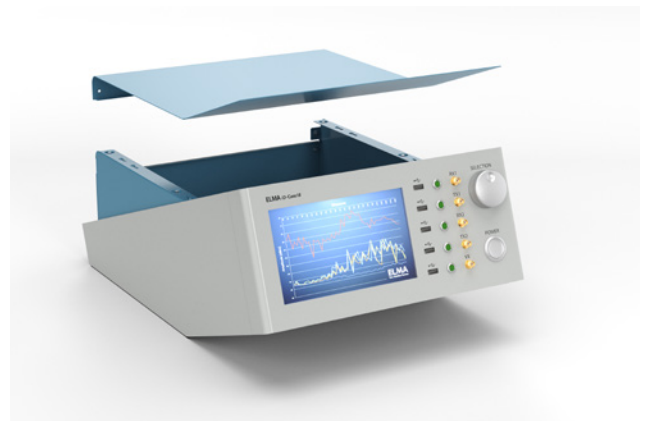
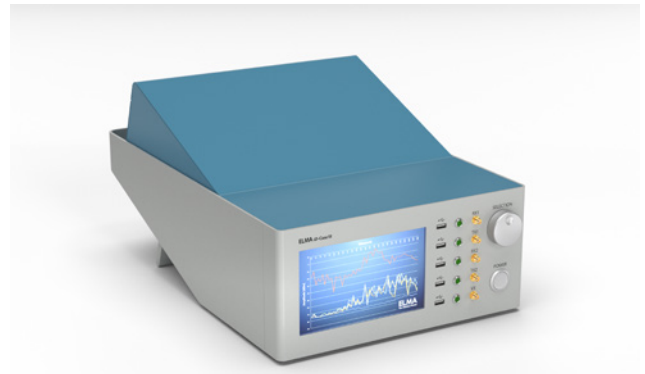
Thanks to its unique construction concept, access to the interior of the enclosure is remarkably easy. The combination of magnetic connections and hidden screws makes it possible to open the enclosure with only a few hand movements. The easily removable lid ensures even better access from the top cover. This means that it's even less work for the customer to integrate the electronics.

#### SUPERIOR AESTHETICS

The design of the iD-Case 18 makes a convincing impression at the first glance. The sleek elegance of exterior gives an impression of the high-end electronics embedded in the iD-Case 18. An especially stylish impression is made by the frame, which surrounds the enclosure. The enclosure itself has a clear, simple form which offers freedom for expression of the customer's own specific design.

#### CUSTOMIZED DESIGN

With four available standard sizes, the iD-Case 18 range covers all the common enclosure sizes. Furthermore, a wide variety of possibilities are available for customizing the enclosure to give it an individual look, and adapt it perfectly to the customer's requirements and corporate design. Controls, touchscreen displays, and customer-specific electronics can be integrated by Elma Electronic as desired. In this way, every iD-Case 18 can be as individual as our customers are.

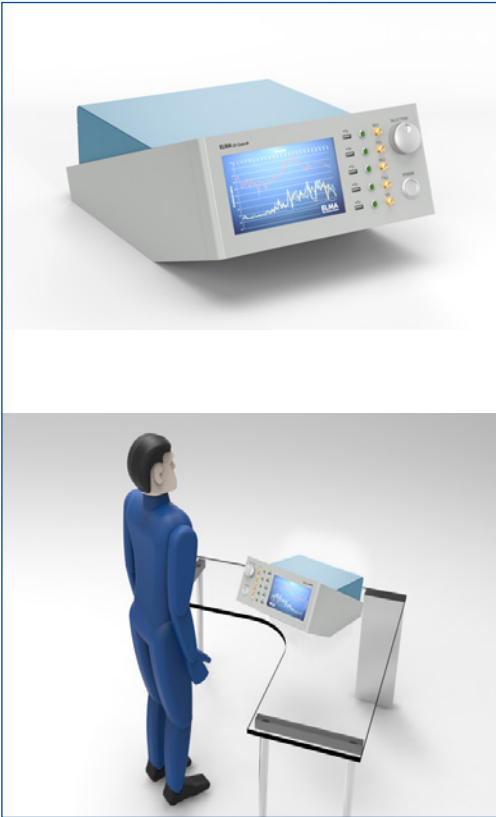
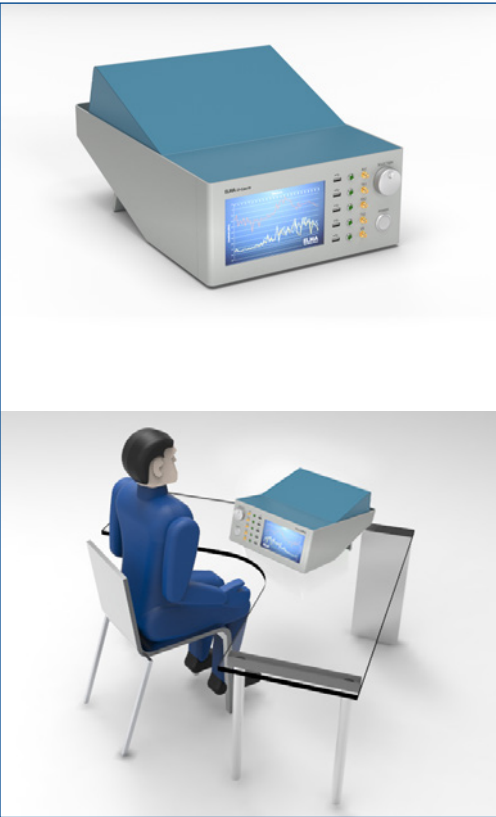


**ENCLOSURE PLATFORM WITH MULTIPLE FEATURES AND BENEFITS**

CLEVER CONSTRUCTION MEETS REFINED DESIGN AESTHETICS

**ERGONOMIC CONTROL**

The well thought-out design of the iD-Case 18 allows for user-friendly operation. The foldable feet enable easy selection of the preferred operating position. The front can be set vertically or angled 20° to the supporting surface. This allows the user to operate the HMI interface comfortably from either a seated or standing position.



ENCLOSURE PLATFORM WITH MULTIPLE FEATURES AND BENEFITS

YOU DEFINE THE LOOK OF YOUR ENCLOSURE

SIZES

Standard dimensions (HxWxD):

- › Size XS: 75 x 173 x 253mm
- › Size S: 90 x 208 x 288mm
- › Size M: 110 x 258 x 360mm
- › Size L: 140 x 308 x 450mm



COLOR COMBINATION

You define the color combination for:

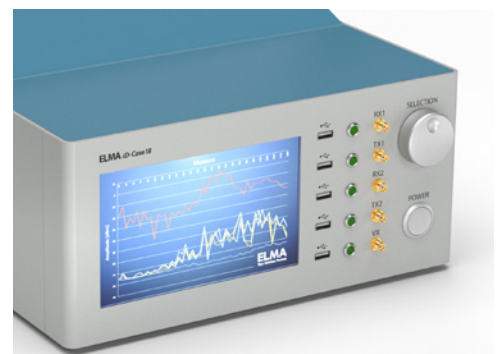
- › Base plate
- › Cover
- › Rear panel
- › Front panel



DESIGN & INTERFACE

You define the design of the front and the rear panel:

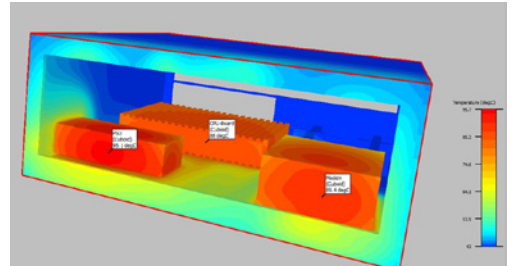
- › Displays
- › Switches
- › LED's
- › Printing: Labeling, logo, photorealistic prints



## COOLING

### You define, if cooling is required:

- › Thermal analysis service:  
Cooling and loading tests already in the design phase.
- › Convection cooled:  
We offer a comprehensive range of built-in fan solutions.
- › Convection free solutions:  
We help you to make the right choice.



## EMC

### You define the level of EMC protection:

- › Basic EMC level:  
Electrically-bonded enclosure parts, without additional gaskets.
- › Increased EMC level:  
Electrically-bonded enclosure parts, with contact points ensure adequate shielding.



## ELECTRONICS INTEGRATION

### You define, how the interior of the enclosure looks like:

- › Mounting possibilities directly on the basis plate
- › Integration of mounting plates
- › Power supplies
- › Cabling



## SUPPORT DURING THE ENTIRE PROCESS

APPLICATION EXPERIENCE AND KNOW-HOW SINCE 1960

### We offer:

- › Feasibility studies
- › Design expertise
- › Thermal analysis
- › EMC tests
- › 2D and 3D data
- › Prototyping
- › Series production
- › Electronic integration
- › System testing
- › Final assembly
- › Logistics and packaging



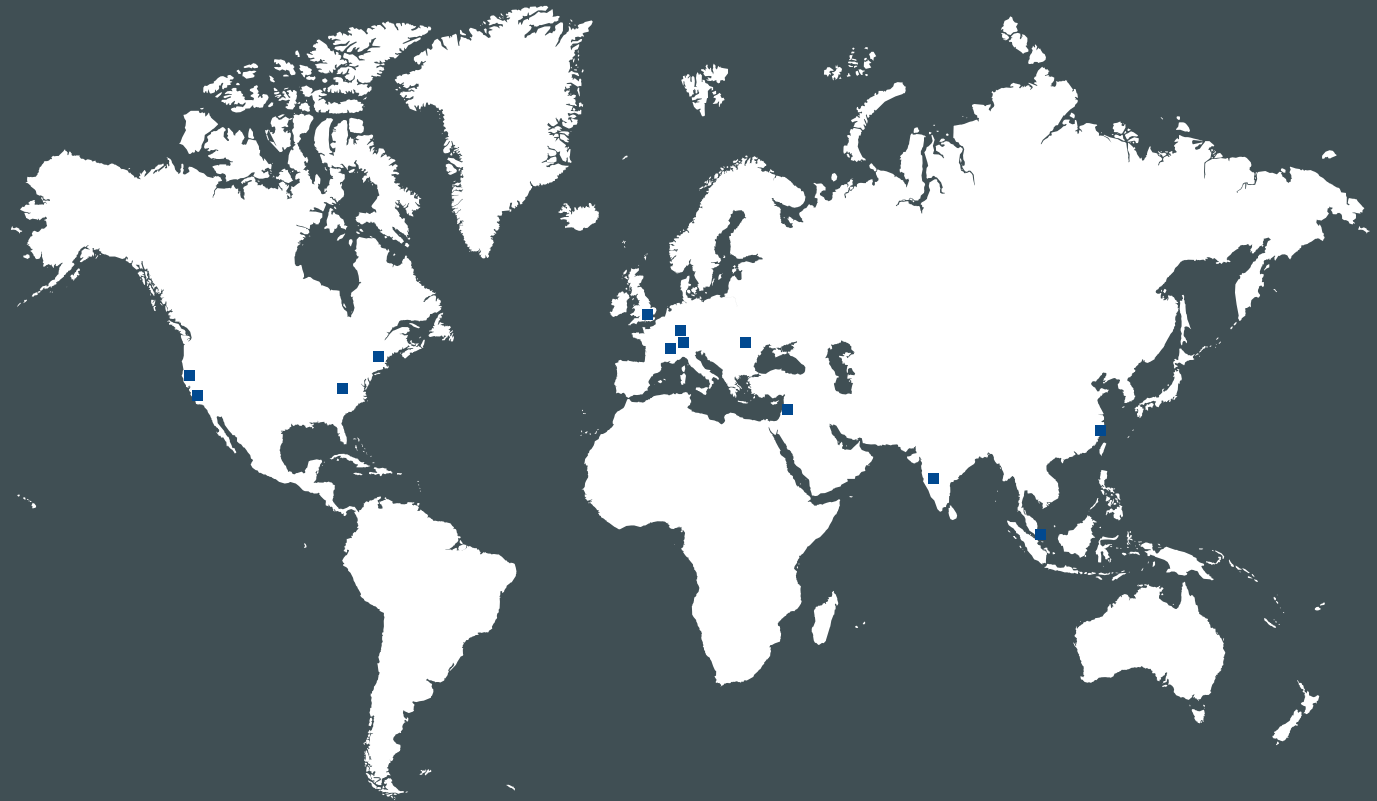
**YOUR SOLUTION PARTNER**

Elma Electronic AG develops and produces high-performance electronics and suitable enclosures from single components to entire systems for industry, railway technology and medical equipment. With over 100 employees in Switzerland alone, we offer innovative, high-quality products, customer-specific solutions and engineering services.

Our key strengths include a high level of development competence and an extensive electronics portfolio. From rotary switches and other electromechanical components to backplanes, computer and storage solutions, power supply units and electronic packaging, all the way to fully integrated systems. On this basis, we are in a position to develop new and trendsetting solutions quickly and safely – in top quality and convincing design, as prototypes or ready for series production.

We are listed on the Swiss Stock Exchange and represented around the world: The Elma Group – Elma Europe, Elma America and Elma Asia – includes subsidiaries in ten countries and a global sales network. In the customer's interest, we co-operate with leading technology providers in the sector and are ourselves regularly approached for advice. Everything from a single source, proven standards, outstanding solutions: Choose Elma Electronic AG.





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