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**Product Name :**  
Door Module Proline

**Product Code :**  
LBNY-0005-120000183



#### **Description :**

##### **Features:**

Fault circuit with 12 x system errors

The window regulator mechanism and internal components are visible and protected by a polycarbonate cover

Mirrors electrically adjustable, heated, mirror turn signal

Compact device build, mobile, for lab and workshop practice

Breakout box for door control unit with all used pins of the controller, 38 x jumpers equipped with measuring tap

Original parts, power windows, door control unit, central locking, child lock, emergency lock, door lock.

##### **Learning Objectives:**

Working with original schematics and specify problem-oriented connector pins on components and control unit

Actuator diagnosis e.g. via VCDS

Control of components through e.g. PCAN-Dongle USB, controlling using its own switches

Visualization of the CAN data transmission with e.g. PCAN-Dongle

Making screen-shots of all signals, all control voltages and the CAN data-bus with a digital oscilloscope and storing them for customer-specific documentations

Practical errors: detect and evaluate cable breaks and corrosion resistances

Recording CAN-bus signals with the oscilloscope and assessing signal levels

Self-diagnosis with OBD diagnostic tool from Lighting Board Central Electrics.

#### **Technical Specification :**

Connection: Connecting cable with plug

Dimensions: W x H x D: 142 x 71 x 193 cm

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Weight: about 55 kg.



**Laboratory Instrument India**