

Coin Validator

OMP 18.ZS/3
OMP 18.PS/3



PHOENIX MECANO
Digital Elektronik GmbH
Coin Verification Systems

Optical marking recognition from Phoenix Mecano

Principle

Our OMP 18.ZS/3 and 18.PS/3 models, in addition to their reliable diameter measuring and inductive material testing functions, offer an advanced optical feature for scanning the coin markings. Used together with a new micro-controller this makes the coin processing faster than before.

This combination of measuring systems allows the coin validator to reliably differentiate between correct and incorrect coins and imitations.

Construction and Function

The OMP comprises a coin inlet hopper integrated into the frame, which holds, centres and turns the coins in front of the optical sensor. At the same time the surface of the coin is scanned in the infrared range.

The micro-controller compares the readings with stored coin data, such as diameter, material and also coin markings, ensuring reliable differentiation between correct and foreign coinage.

An integrated flash-memory allows software updates to be loaded easily.

Usage

A BDTA and MDB combination machine, the coin validator lends itself to a wide range of uses, for example, ticket or goods vending machines, or coin-operated gambling machines, whether stationary or mobile and whether for inside or outside use.

For use in machines outside, the OMP 18.ZS/3 comprises a integrated prompting function, also for MDB-operation.



OMP 18.ZS/3 and 18.PS/3

Technical Details

Spezification OMP 18.ZS/3 and 18.PS/3

Power supply	7,8 ... 27,6 V
Current supply	Rest current (on standby-ZS/3): 15 μ A, typical Rest current (online): 50 μ A, typical
Dimensions	127 x 159 x 60 mm (w x d x h)
Interfaces	<ul style="list-style-type: none">• OMP 18.ZS/3:<ul style="list-style-type: none">· BDTA – 14 pin (12V)· serial Interface – MDB 10 pin• OMP 18.PS/3:<ul style="list-style-type: none">· BDTA – 16 pin (24V)· serial Interface – MDB 10 pin· serial Interface – MDB 6 pin (optional)
Coin diameers	18 ... 32 mm
Coin thickness	1,5 ... 2,8 mm
Coin chanel	max. 16 coins with a total of 200 recorded markings
Coin processing	approx. 800 ms per coin (up to 5 coins in 4 seconds)
Temperature range	-20 °C ... +70 °C
Set-up options	<ul style="list-style-type: none">• Canal barring internally (by instruction)• Canal barring using the DIP- switch• Total barring• OMP 18.ZS/3:<ul style="list-style-type: none">· Mode selection (EMP and stepper operation)· Price selection using the stepper function• OMP 18.PS/3:<ul style="list-style-type: none">· Individual barring using the machine interface
Options	<ul style="list-style-type: none">• internal five-way sorting function

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