



SOLIDS INLINE DENSITY METER

*Automated determination of Bulk Density –
High precision measuring in a closed process*



**HOSOKAWA
SOLIDS**

Monitoring bulk density in the comminution process, but also in granulation and filling processes, poses major challenges for customers, especially when bulk density measurement becomes necessary on a continuous basis.

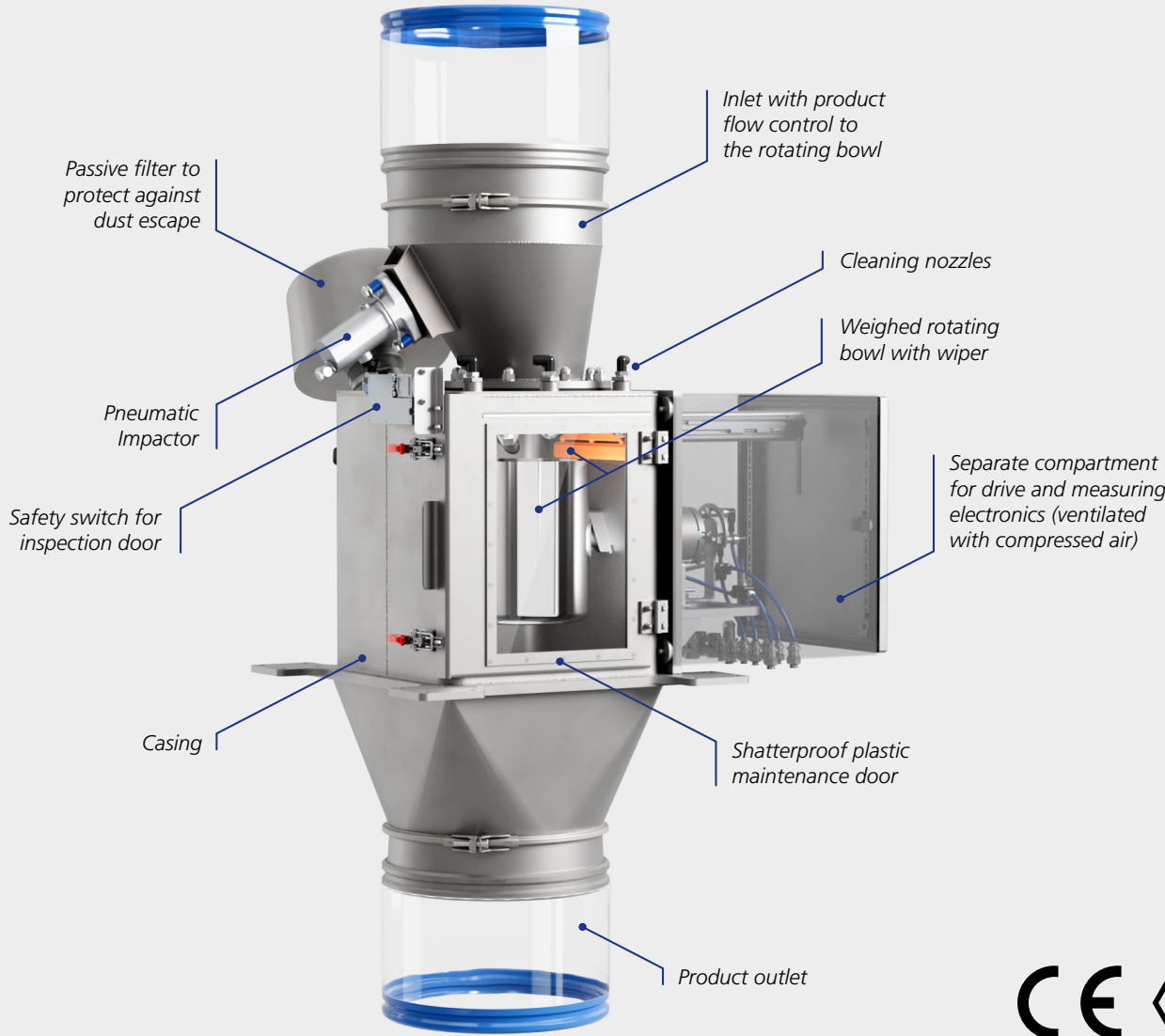
The Solids Inline Density Meter can measure products with bulk densities from 0.1 to 2.5 kg/dm³ with an accuracy of up to $\pm 0.5\%$. The measurement is carried out in a dust-tight housing, which means that hazardous substances and dust-explosive bulk materials can also be easily recorded while considering the requirements of employee health protection. High measurement accuracy with significantly reduced time expenditure is achieved through the automated measurement process and the consistent process and environmental conditions.

- » SOLUTIONS FOR INDIVIDUAL REQUIREMENTS
- » EUROPEAN SAFETY STANDARDS
- » ENERGY EFFICIENT PRODUCTION

**YOUR BULK SOLIDS.
OUR INLINE DENSITY
METER**

>>> You want to know
which measuring
device is right for you?

Feel free to contact us!
info@solids.hosokawa.de



Types and sizes:

Type	Size [mm] (without frame)	Container Volume [dm ³]	Inlet-Ø	Outlet-Ø	Measuring Range [kg/dm ³]	Weight [kg]
IDM05506C02	1400	approx. 5.5	DN 300	DN 300	0.1 - 0.4	approx. 90
IDM05510C02	1400	approx. 5.5	DN 300	DN 300	0.4 - 1.2	approx. 90
IDM05520C02	1400	approx. 5.5	DN 300	DN 300	0.8 - 2.5	approx. 90

Special sizes or different connections and measuring ranges possible upon agreement.

OPTIONS

- » Housing as welded steel construction – V2A
- » Surface treatment stainless steel parts: Pickled and passivated, rotating bowl: surface finish Ra $\leq 0.8 \mu\text{m}$, polished
- » Pneumatics with valve terminal and maintenance unit, fully hoses to central feed point
- » Automatic test weight for checking scale function
- » Terminal strip in housing with 15 m cable and Harting connector for connection to control cabinet
- » Control via S7-1500 ET CPU, weighing processor Siwarex ET version “WP321” (in external control cabinet), operation for service/troubleshooting via web server and own PC/laptop
- » Integration as iDevice via Profinet, additional communication via TCP/IP possible
(Communication options available upon request)

» ADVANTAGES

- » Reduction of labor and production costs
- » Improving product quality and occupational safety

» APPLICATIONS

- » Monitoring of crushing, granulation, and spray drying processes
- » Manufacturing process of “foamed” products
- » Ensuring constant fill levels in containers

» CONDITIONS

- » Products with bulk densities from 0.1 to 2.5 kg/dm³
- » Measurement accuracy up to $\pm 0.5\%$
- » Bulk material properties:
 - Powder to granular
 - Medium to medium hardness
 - Free-flowing to difficult-flowing



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Any questions? Just call – we are happy to help.



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Our offers are decisive for the order.

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