



Differential  
Proportioning Scale  
**MSDH**

# Reliable Measurements

## Accurate Weight Registration

The MSDH Differential Proportioning Scale has been designed for accurate measurement and control of continuous grain processing operations. As a flow meter, it accurately registers the weight and throughput rate of a given product stream. As a flow regulator, it allows high-precision control of an arbitrary throughput rate with registration of the total weight. This differential proportioning scale is applied underneath silos, raw material bins, and tempering bins in order to ensure uniform grain blends.

### Accurate proportioning at high capacity

The system components guarantee the achievement of high throughput rates. Three-point suspension of the weigh hopper with its segment gate ensures stable weighing.

### Smart technology for exact measurement results

The MEAG universal control system automatically controls the diaphragm actuator, adjusting the throughput rate to a pre-defined target value. The weighing algorithms of the MEAG universal control system and the high-quality load cells ensure precise and reproducible measurement values.



MSDH Differential Proportioning Scale – for accurate control and measurement of grain

# Precise Quality Assurance Online Monitoring

## Dimensions, technical data

		<b>MSDH-30</b>	<b>MSDH-60</b>	<b>MSDH-140</b>	<b>MSDH-200</b>
<b>Throughput rate (range)</b>	* t/h	0.5–12	1.0–24	1.0–60	2.0–80
<b>Dimensions</b>	mm				
<b>A</b>		685	685	850	850
<b>B</b>		770	770	950	950
<b>C</b>		1150	1353	1797	2049
<b>D</b>		1027	1027	1202	1202
<b>Compressed air requirement</b>	NI/h	1200	1200	1200	1200
<b>Max. floor loading</b>	kg	155	240	480	565
	kg	155	180	340	365

\* based on cleaned and dry wheat (H<sub>2</sub>O < 14%) with a loose bulk density of 0.75 t/m<sup>3</sup>



### Benefits

- High degree of sanitation thanks to optimal design
- Easy-to-use MEAG universal control system
- Low maintenance costs
- Excellent price/performance ratio
- High stability of the weighing process

## **Bühler AG**

CH-9240 Uzwil  
Switzerland

T +41 71 955 11 11  
F +41 71 955 66 11

[buhlergroup.com](http://buhlergroup.com)

Flyer MSDH en 11/16 ZACC