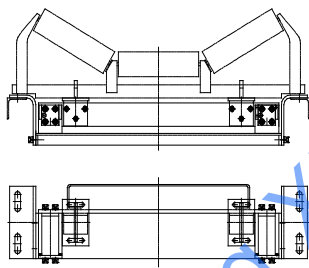


## AUTOMATIC CONTROL

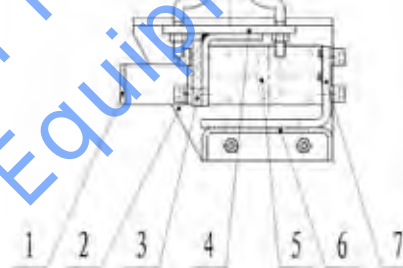
### ▶ Electronic Belt Scale

#### Principle

Electronic belt scale is a kind of newly developed product, and has been applied to many mines. It obtained national invention patent (patent No.: 201210507569.8) and utility model patent. With modular design and a high precision single roller, availability for heavy load weighing, the belt scale can be used for production process control and material loading control. With control core of SIEMENS PLC, Swiss high-performance weighing sensor and direct bearing structure, the stability and reliability are greatly ensured and improved.



Structure Diagram



Side View Enlargement

1. Counter-Balanced Carriage; 2. Mounting Plate; 3. Dynamic Connecting Plate;  
4. Supporting Plate; 5. Pressure Sensor; 6. Static Base; 7. Sensor Base Plate

#### Technical Parameters

Model	Suitable Belt Conveyor	Load (kg)	Setting Angle	Belt Speed (m/s)	Weight (kg)
PDC500	TD500	0~300	$\leq \pm 20^\circ$	$\leq 3$	40.5
PDC650	TD650	0~300	$\leq \pm 20^\circ$	$\leq 3$	43.6
PDC800	TD800	0~300	$\leq \pm 20^\circ$	$\leq 3$	47.8
PDC1000	TD1000	0~300	$\leq \pm 20^\circ$	$\leq 3$	53.5
PDC1200	TD1200	0~300	$\leq \pm 20^\circ$	$\leq 3$	59.6

Precision	Better than $\pm 0.5\%$ (Measuring Range 20%~100%)
Belt Width (mm)	500、650、800、1000、2000
Belt Speed (m/s)	0 ~ 3
Volume (t/h)	Max. 1200
Rated Weighing of Single Weighing Sensor (kg)	150
Setting Angle(° )	$\leq \pm 20^\circ$