

PANEL SUBSYSTEM SCALE

1. Description

Controls the weighing subsystem for product weight measurement.

2. Functions

- Measures the weight of products for sorting or validation.

3. I/O and Signals

Signal Name	Type	Description	Panel
SCALE_MEASURE_CMD	DO	Trigger weighing process	PANEL_CONTROL_RIO
SCALE_WEIGHT_FB	DI	Feedback on measured weight	PANEL_CONTROL_RIO

4. Interlocks & Safety

- Inhibits weighment if the item is not properly positioned.

5. Dependencies

- Dependent on PHOTO_EYE_CONF for item confirmation at scale.

6. Alarms

Alarm ID	Condition	Message
A_SCALE_01	Weight measurement failure	"Scale Fault"

7. HMI / Operator Interaction

- Displays the weight of the item on HMI.
- Manual calibration and test mode available.