# OS-T102 Digital Display Transmitter




## Product Features

- High-speed 24-bit Σ-Δ ADC sampling up to 640 Hz, suitable for packaging, batching, checkweighing, and sorting.
- Features 3 digital inputs, 7 transistor outputs, and 1 high-precision 0–10V analog output interface.
- Rich load cell fault detection functions (e.g., signal out-of-range, module sampling fault, load cell wiring fault).
- Versatile communication interface design, featuring both RS232 and RS485 interfaces. Optional Ethernet communication with Modbus TCP support.

| Technical Specifications | |
|---|---|
| Measurement Signal | -20 mV ~ 20 mV, drives max 6 × 350Ω bridge sensors in parallel |
| Load Cell Interface | 1 Channel |
| Sampling Frequency | 640Hz |
| Detection Accuracy | Class III |
| Resolution | > 1/500000 |
| Digital I/O Interfaces | 3 Inputs (low active); 7 Transistor Outputs |
| Communication Interfaces | 1 RS232, 1 RS485. Optional Ethernet |
| Non-linearity | Better than 0.005% FS |
| Power Supply | 18–30 VDC (Sensor excitation 5 VDC) |
| Weight | Approx. 0.2 kg |
| Dimensions | 92 × 72 × 59 mm (L × W × H) |
| Power Consumption | < 3W |
| Operating Temperature | -20°C ~ +65°C |