

Type SMART-P

Weighing Indicator



Product Description

Specially developed for such devices and machines which control limit values via weight measurements, Esit SMART-P is a small and simple weighing indicator with a rugged and durable housing. It is a reliable and cost-effective solution in electronic detection of and protection against overloads upon cranes and elevators.

Features

- Impact-resistant plastic housing
- 4-digit red LED weight display
- Dust and humidity-proof membrane keyboard with tact keys
- Taring, zeroing, function and adjustment keys
- Zeroing within the entire measurement range
- Gain adjustment for load cell output
- RS232/RS485 serial output
- Internal relay output
- Analog output (4-20 mA)
- Analog output (0-5 V)

Technical Specifications

Accuracy		
Accuracy class	1000d	
Input sensitivity	0.5µV/digit	
Linearity	0.015%	
Zero and gain stability	5ppm/°C	
A/D converter	16bit	
Digital filter	Numerical filtering	
Reading frequency	10Hz	
Load Cell		
Number of load cells allowed	4 (350ohm)	
Analog input range	± 2mV/V	
Excitation voltage	5V DC	
Environment		
Operating temperature range	-10°C +40°C	
Storing temperature range	-20°C +70°C	
Operating voltage and power	10-35V DC - 5W	
Operator Handling and Display		
Keyboard	Dust and humidity-proof membrane keyboard with 3 tact type keys	
Weight display	6 mm, 4-digit, 7-segment LED	
Function display	Center-of-zero, no-motion LEDs	
Program display	-	
Housing		
Material and protection class	Plastic, IP65	
Weight	0.2kg	
Package weight and dimensions	0.3kg, 15x24x6cm	
Communication		
	Standard	Optional
Serial communication output	RS232 / RS485	-
Parallel printer output	-	-
Binary (BCD) output	-	-
Remote display output	-	-
Digital input / output	1 input / 3 outputs (2A relay)	-
Analog output	4-20mA / 0-5V	-

ESIT reserves the right to modify, without prior notice, the products in accordance with technological developments.

Dimensions

(All measurements are expressed in millimeters)

