Type ART-2

Weighing Indicator

































Product Description

With its compact and state-of-the-art structure as well as its high level of sensitivity and improved functions, Esit's new generation scale indicator, Esit ART-2 offers the users all the features they expect. The indicator has a durable ABS plastic housing and it can either be mounted on the scale column or placed on a desk.

Double-display Esit ART-2 indicator allows entering data in alphabetical manner, defining codes, reporting, weighing and piece-counting, which make it a truly professional weighing instrument. It can be connected to a computer terminal and various printers.

Features

Plastic housing suitable for use on scale column or desktop Capability to indicate weight, message-part and total value on two different display

- 6-digit white LED weight display

___ 10-character alphanumerical operator's display

Real-time date and time

Dust and humidity-proof membrane keyboard with tact keys Alphabetic character entry

Storable settings for piece counting and pricing

Automatic and manual multiple tare

Zeroing, function and adjustment keys

Selectable unit display options:

kg / g / t / N / kN / lb / {mV/V} / mV / OZ /m / C° / pcs

Selectable language options: TR / EN

Barcode printing: Code 39 / EAN-13 / QR Code

Battery-protected non-volatile memory

Gain adjustment for load cell output

Calibration key; on/off switch

Remote display output

Printer output

RS232,RS485 serial output

Modbus TCP

3 relays output, 3 isolated inputs

Options

12V Power Supply Bluetooth, Wi-Fi GSM CanBus





Technical Specifications

Weight display Function display Program display Weight display 6 digit, 7 segment, white LED 10 digit, 15 segment, white LED Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	rechnical Specifications		
Input sensitivity Linearity Zero and gain stability A/D converter A/D converter Digital filter Reading frequency Load Cell Number of load cells allowed Analog input range Excitation voltage Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Program display Program display Day and splay O 24 V DC - Jane Sulpation, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Accuracy		
Linearity Zero and gain stability A/D converter A/D converter Digital filter Digital filter Reading frequency Load Cell Number of load cells allowed Analog input range Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operating voltage and power Operator Handling and Display Keyboard Weight display Program display Linearity 2ppm/°C 24bit Sigma-Delta Dynamic numerical filtering 6-800Hz Bynamic numerical filtering As (350ohm) 8 (350ohm) 8 (350ohm) 8 (350ohm) 8 (350ohm) 8 (350ohm) 8 (350ohm) 10 V DC Environment -10°C +40°C -20°C +70°C Operating voltage and power 24 V DC - max 8W Operator Handling and Display Keyboard Weight display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Accuracy class (OIML approved)	10000d (III)	
Zero and gain stability A/D converter A/D converter Digital filter Reading frequency Load Cell Number of load cells allowed Analog input range Excitation voltage Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Program display Program display Program display Zeppm/°C 24bit Sigma-Delta Dynamic numerical filtering 6-800Hz Dynamic numerical filtering 8 (350ohm) 8 (350ohm) 10 V DC 10 V DC Environment 10 V DC 24 V DC - max 8W Operator Handling and Display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Input sensitivity		
A/D converter Digital filter Digital filter Reading frequency Coad Cell Number of load cells allowed Analog input range Excitation voltage Environment Operating temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Program display A/D converter Dynamic numerical filtering Bynamic numerical filtering Rea00Hz Dynamic numerical filtering Re300Hz Bynamic numerical filtering Re480Hz Bynamic numerical filtering Re480Hy Bynamic numerical filtering Re480Hy	Linearity	0.0015%	
Digital filter Reading frequency Load Cell Number of load cells allowed Analog input range Excitation voltage Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Program display Digital filter ing Dynamic numerical filtering 6-800Hz 8 (350ohm) A (350ohm) Analog input range ± 80mV/V Excitation voltage 10V DC -10°C +40°C -20°C +70°C Operator Handling and power 24 V DC - max 8W Operator Handling and Display Keyboard Weight display 6 digit, 7 segment, white LED Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Zero and gain stability	2ppm/°C	
Reading frequency Load Cell Number of load cells allowed Analog input range Excitation voltage Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Program display March 200 Hz 8 (3500hm) 8 (3500hm) 10V DC 10V DC 10°C +40°C 10°C +40°C 24 V DC - max 8W Operator Handling and Display 6 digit, 7 segment, white LED Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	A/D converter		
Load CellNumber of load cells allowed8 (350ohm)Analog input range± 80mV/VExcitation voltage10V DCEnvironment-10°C +40°COperating temperature range-20°C +70°COperating voltage and power24 V DC - max 8WOperator Handling and DisplayDust and humidity-proof membrane keyboard with 20 tact type keyboardWeight display6 digit, 7 segment, white LEDFunction display10 digit, 15 segment, white LEDProgram displayStatic load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Digital filter	-	
Number of load cells allowed Analog input range Excitation voltage Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Program display Number of load cells allowed 8 (350ohm) ± 80mV/V ± 80mV/V 10 V DC Torc +40°C -20°C +70°C 24 V DC - max 8W Operator Handling and Display Function display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Reading frequency	6-800Hz	
Analog input range ± 80mV/V Excitation voltage 10V DC Environment Operating temperature range (OIML approved) -10°C +40°C Storing temperature range -20°C +70°C Operating voltage and power 24 V DC - max 8W Operator Handling and Display Keyboard Dust and humidity-proof membrane keyboard with 20 tact type keyboard with 20 tact type keyboard display Function display 6 digit, 7 segment, white LED Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3, Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Load Cell		
Excitation voltage Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Function display Program display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Number of load cells allowed	8 (350ohm)	
Environment Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Dust and humidity-proof membrane keyboard with 20 tact type key Geyphore Function display Function display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Analog input range	± 80mV/V	
Operating temperature range (OIML approved) Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Weight display Function display Program display Operator Handling Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Excitation voltage	10V DC	
Storing temperature range Operating voltage and power Operator Handling and Display Keyboard Dust and humidity-proof membrane keyboard with 20 tact type keyboard display Function display Program display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3, Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Environment		
Operating voltage and power Operator Handling and Display Keyboard Dust and humidity-proof membrane keyboard with 20 tact type keyboard digit, 7 segment, white LED Function display Program display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Operating temperature range (OIML approved)	-10°C +40°C	
Operator Handling and Display Keyboard Dust and humidity-proof membrane keyboard with 20 tact type keyboard display 6 digit, 7 segment, white LED Function display 10 digit, 15 segment, white LED Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Storing temperature range	-20°C +70°C	
Keyboard Dust and humidity-proof membrane keyboard with 20 tact type keyboard Weight display 6 digit, 7 segment, white LED Function display 10 digit, 15 segment, white LED Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Operating voltage and power	24 V DC - max 8W	
Weight display 6 digit, 7 segment, white LED Function display 10 digit, 15 segment, white LED Program display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Operator Handling and Display		
Function display 10 digit, 15 segment, white LED Program display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Keyboard	Dust and humidity-proof membrane keyboard with 20 tact type keys	
Program display Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3 Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Weight display	0 1 0 1	
Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	Function display	10 digit, 15 segment, white LED	
	Program display	Static load, True zero, Tare, Calibration, Relay 1-2-3, Input 1-2-3, Bluetooth, Wi-Fi, Power status, External arrow 1-2-3 indicators	
Housing	Housing		
Material and protection class Plastic, IP54	Material and protection class	Plastic, IP54	
Weight 1.3kg	Weight	1.3kg	
Package weight and dimensions 1.5kg, 40x16x10cm	Package weight and dimensions	1.5kg, 40x16x10cm	
Communication Standard Optional	Communication	Standard	Optional
Serial communication output RS232, RS485 -	Serial communication output	RS232, RS485	-
Printer output -	Printer output	✓	-
Binary (BCD) output	Binary (BCD) output	-	-
Remote display output -	Remote display output	✓	-
Digital input 3 -	Digital input	3	-
Analog output	Analog output	-	-
Relay output 3 -	Relay output	3	-
Bluetooth & Wi-Fi -	Bluetooth & Wi-Fi	-	~
Ethernet Communication Modbus TCP -	Ethernet Communication	Modbus TCP	-
CanBus -	CanBus	-	~
GSM - ✓	GSM	-	√

Dimensions



