

## DIGITAL INDICATOR MODEL ART

Esit's new generation, SMD (Surface Mount Design) technology based ART scale indicator eases the usage with its compact design.

The indicator can be placed on table-top or on a column being a suitable device for a platform scale with its piece counting facility.

Possessing a 24 bits A/D converter, the ART indicator can achieve 1/100.000 display resolution on its 6 digit weight display together with a 8x8 dot matrix unit display and 9 digits operator handling display.

The ART indicator, whose board was developed bearing in mind the EMC effects, possesses CE markings and conformity for OIML R76 regulations and European Council 90/384/EEC directives.



### TECHNICAL SPECIFICATIONS

- Weight and message, piece-counting, cumulative display on two separate displays.
- User selectable units (kg, t, kN, lb ...)
- Language selection (English, Turkish, Spanish, Russian)
- Automatic Tare with 9 memory
- Alphabetic character entry like a mobile phone.
- Piece counting with memory storage for 9 different materials
- Real time clock and calendar with battery backup
- CE, OIML R76 and EU 90/384/EEC approvals
- Drive capability up to 8 pcs 350 Load Cells
- Remote display output

- Parallel and serial printer output
- 2 independent serial outputs
- Connection to a Digital Load Cell
- Calibration key, 20 function and number keys, On/Off key
- 12-36VDC or 220VAC power input
- Single board with on-board connectors

### OPTIONS

- IP65 protected housing (Tabletop model)
- PC, remote display, printer output (RS232 or RS422/RS485 and centronics).
- Industrial 4-20mA or 0-10V analog output.
- BCD or 16 bit signed binary output.
- LCD digital weight display.

## TECHNICAL SPECIFICATIONS

Accuracy Class	III n=7000
Excitation voltage	10VDC
Input sensitivity	0,5 $\mu$ V / d
Minimum load resistance	43 $\Omega$ (8 piece 350 $\Omega$ Load cell)
Digital filter	0,1 - 0,5 Hz

## DISPLAY SPECIFICATIONS

Weight display	20mm 7-segment LED 6 digits
Unit display	20mm 8x8 dot matrix (kg, t, kN ....)
Operator display	10mm 15-segment LED 9 digits

## OPERATOR HANDLING

Keyboard	20 keys, tactile type Dust and humidity free with membrane cover
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## COMMUNICATION FEATURES (OUTPUTS)

Digital	Parallel centronics printer output Remote display output Serial RS-232C (Standard) RS-422, RS-485 (Optional)
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## PROCESSOR UNIT

MICROPROCESSOR	89C51
FLASH ROM	64kByte
RAM	1024+256 Byte
E2PROM	2kByte

## ANALOG DIGITAL CONVERTER

A/D converter	24 Bit Sigma-Delta converter
Conversion cycle	20ms
Internal resolution	1.000.000

## POWER REQUIREMENTS

Voltage	12-35VDC or 220VAC
Power	8W

