DAN-TRANSDUCER ApS

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.

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TECHNICAL SPEFICATIONS

Accuracy Class	III n=7000
Excitation voltage	10VDC
Input sensitivity	0,5 µV / d
Minimum load resistance	43 Ω (8 piece 350 Ω 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

COMMUNICATION FEATURES (OUTPUTS)

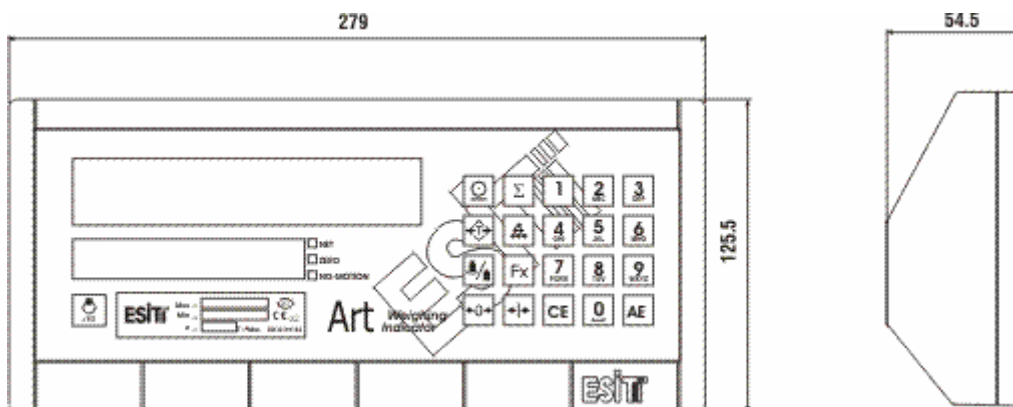|	
Digital	Parallel centronics printer output Remote display output Serial RS-232C (Standard) RS-422, RS-485 (Optional)

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