

# DI-200 Series

## Digital Indicators



Actual size

DIN Standard 96x96

## Design your own weighing operation systems with the DI-200 series.

- Internal resolution 1/60,000
- Display resolution 1/500-1/20,000
- Four 350Ω load cells capability
- Bright LED display
- High A/D conversion speed: 30 times/sec.
- Remote sensing function
- One touch/digital tare subtraction
- Zero point recall function
- Digital filter
- IP-65, water protection class of front panel
- Digital span calibration
- Versatile applications available with various I/F's

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The DI-200 series has six models grouped with the I/F's, to meet various weighing application needs.



| Model             | A Set point | B Remote key | C *RS-232C | D *RS-422 | E *BCD parallel | F Analogue output |
|-------------------|-------------|--------------|------------|-----------|-----------------|-------------------|
| DI-200 STD        | Yes         | Yes          | No         | No        | No              | No                |
| DI-200/RS-232     | Yes         | Yes          | Yes        | No        | No              | No                |
| DI-200/RS-422     | Yes         | Yes          | No         | Yes       | No              | No                |
| DI-200/BCD        | Yes         | Yes          | No         | No        | Yes             | No                |
| DI-200/RS-232/ANA | Yes         | Yes          | Yes        | No        | No              | Yes               |
| DI-200/RS-422/ANA | Yes         | Yes          | No         | Yes       | No              | Yes               |

\*Note: One I/F among three kinds of I/F's is selectable. (C, D, E)

### Q Set point I/F:

Five open collector outputs (30VDC 50mA) - All settings are performed through keyboard entry or RS-232C serial input.  
Din 8 Pin Female

### Q Remote key I/F:

Zero Reset and Tare Entry/Clear can be performed.  
Din 8 Pin Female

### Q \*RS-232C I/F:

Serial communication protocol is selectable from three types.

- Continuous data transmission
- Data transmission when pressing arrow key
- Data transmission on the command from other device

Moreover, Zero Reset, Tare Entry, Tare Clear, Set point Value Entry can be performed from external device in command mode.  
DSub 9 Pin

### Q \*RS-422 I/F:

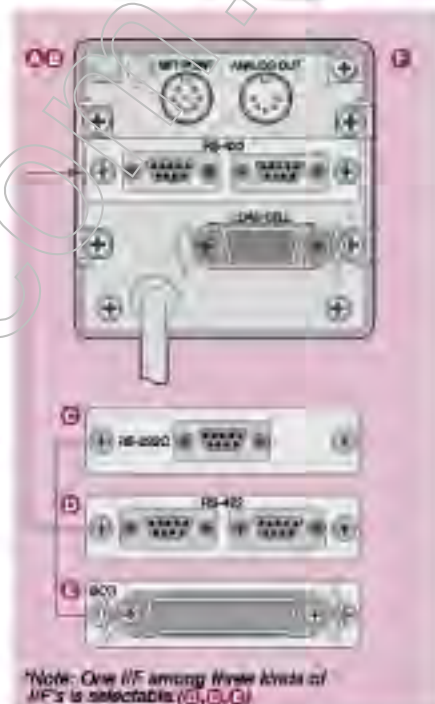
Network to 16 individually addressed machines with RS-422 communication  
DSub 9 Pin X 2 pins

### Q \*BCD parallel I/F:

Parallel BCD (Binary-Coded-Decimal) output - Output data are Weight, Minus and Status.  
Amphenol 38 Pin

### Q Analogue output I/F:

4-20mA, 16 bit resolution - Programmable parameters adjust the analogue output gain. Output data are based on gross weight.  
Din 5 Pin Female



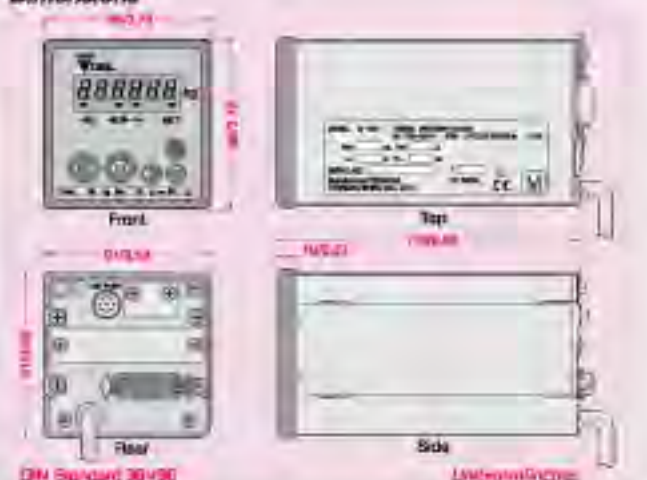
\*Note: One I/F among three kinds of I/F's is selectable. (C, D, E)

## Specifications

|                 |                        |                                                                   |
|-----------------|------------------------|-------------------------------------------------------------------|
| Analog section  | Input sensitivity      | 0.25mV/V to 3.5mV/V                                               |
|                 | Zero adj. range        | ±128%F.S.                                                         |
|                 | Load cell excitation   | 10VDC                                                             |
|                 | A/D conversion rate    | 30 times/sec.                                                     |
|                 | Temp. Coefficient      | ZERO: 0.16%/°C<br>SPAN: 5ppm/°C TYP                               |
| Digital section | Non linearity          | 0.01% of F.S.                                                     |
|                 | Number of load cells   | Max. 4 load cells (350Ω)                                          |
|                 | Scale interface        | Amphenol 14 pin                                                   |
|                 | Type                   | LED display (letter height: 10.2 mm)                              |
|                 | Display                | 5 digits                                                          |
| General         | Display division       | 1, 2, 5, 10, 20 and 50                                            |
|                 | Decimal point location | 3 positions and no decimal, 00,000 thru 00000                     |
|                 | Indicator              | Asynchronizer for "WEIGHT STABLE", "ZERO", "NET" and "DATA ENTRY" |
|                 | Power source           | AC100-120V, 220-240V, 50/60Hz<br>220-240V for Europe              |
|                 | Power consumption      | 10W                                                               |
| Peripherals     | Operating temperature  | -10°C to 40°C/14°F to 104°F                                       |
|                 | Operating humidity     | 85%RH Max. (Non-condensing)                                       |
|                 | Net weight             | 1.29kg/2.84lb                                                     |

Peripherals = Scale terminal cable of DI-200  
= Analogue terminal cable of DI-200

## Dimensions



\* Meets or exceeds the requirements of CML Class (B).  
\* Specifications are subject to change without notice.

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