# displays

**rinstrum**
SMART WEIGHING SOLUTIONS

D640

# highly visible indoors or out
## tough, versatile & reliable





## (industrial displays)

Rinstrum's large remotes are highly visible displays that are built for industrial applications for both indoors and out. The range of large remote displays includes the **D**640, **D**740 and 6500, they feature:

- RS232, RS485 and 20mA loop serial input
- 3 annunciators (Net, Motion, Centre-of-Zero)
- Shatterproof laminated glass window
- Compatibility with a wide range of indictors

The meaningful display, with annunciators and numeric and alpha characters, and the highly visible digits allow for precise reading across long distances.

### Tough Housings

The housing are designed and built for industrial environments with accessories for versatile mounting.

- Shatterproof laminated glass
- Powder coated aluminum extrusion
- Weatherhood
- Swivel arm for directional wall or pole mounting

This combination of features ensures the displays will reliably work in rugged environments with reduced safety concerns and reduced risk of damage from weather or knocks.



## Wide Range of Compatible Indicators

Auto-detecting setup with a wide range of indicators combined with the ability to programme from a PC simplifies the display set-up and maintenance.
**Rinstrum Indicators:** R Series - R320 & R420 and Ranger Series – 2100 & 5000
**Selected indicators from:** Mettler Toledo, Avery, GSE Scale Systems, HBM, Systec, Gedge , A & D and custom configurations
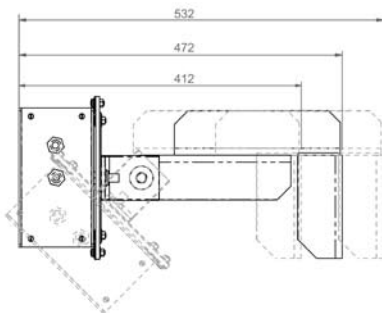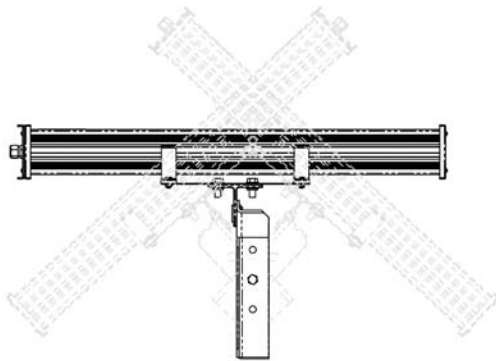


## D640 and D740

- The **D**740 range use a double row of highly reliable super bright LED's to create a display that is visible in all lighting conditions, even in direct sunlight
- The **D**640 range uses a 7x5 electromechanical dot matrix for each digit (35 dots per digit), allowing full alpha numeric characters to be displayed for even greater clarity
- Available in a variety of configurations from 5 to 7 digits
    - Easy PC setup or firmware upgrades using the magnetically coupled infra-red communications on the front pane
    - DC versions (**D**641 and **D**741) make these displays suitable for installation into DC environments directly
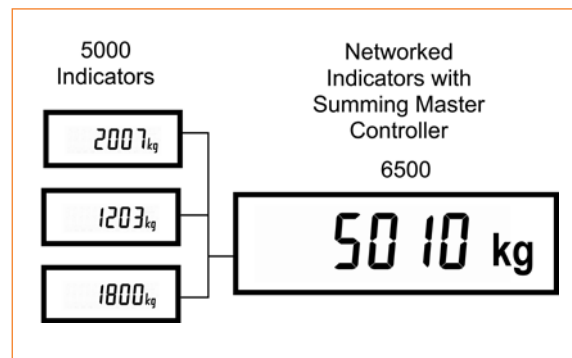
## 6500

- The 6500 uses a 5x3 electromechanical dot matrix for each digit (15 dots per digit), making a highly visible display in a compact housing
- In Summing Mode the 6500 acts as the master controller for a number of slave 5000 units connected together on a multi-drop serial RS485 bus. The 6500 displays the total weight
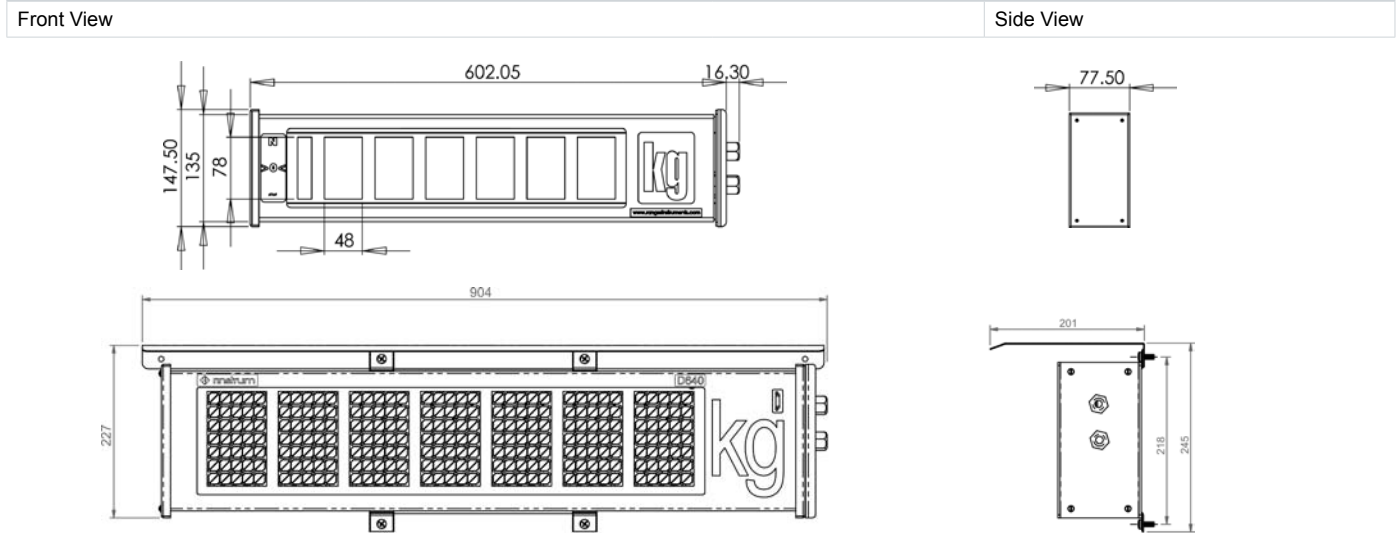- Easy PC setup or firmware upgrades using the RS232 connection on the front pane

(summing
master controller)





*Versatile mounting options*

## remote displays
### THAT'S WEIGHING SMART

| Performance (Large remotes) | D640 | D740 | 6500 |
|---|---|---|---|
| Display | Up to seven (7) digits 35 segments per digit Full alpha numeric characters | Up to seven (7) digits 68 LED's per digit Numeric and semi-alpha characters | Six (6) digits 15 segments per digit Numeric and semi-alpha characters |
| Display Type | Electromechanical | Super Bright LED's | Electromechanical |
| Digit Height | 125mm | 120mm | 75mm |
| Status Annunciators | Motion, Centre of Zero and Net | | |
| Visibility | Up to 100m | | Up to 40m |
| Operating Environment | Temperature: –10 to +50ºC case temperature Humidity:<90%rh non-condensing Storage: –20 to +50ºC ambient | | |
| Setup | Auto detecting to compatible indicators | | Built-in menus |
| Memory | Full non-volatile operation | | |
| External Dimensions | 850 (L) x 202 (H) x 109 (D) mm | | 600 (L) x 148 (H) x 78 (D) |
| Display Window | 671 (L) x 141 (H) mm | | 430 (L) x 100 (H) mm |
| Weight | 10kg | | 5kg |
| Serial Communications | RS232 – receive only RS485 – receive only 20mA Current Loop - receive only | | RS232 RS485 20mA Current Loop - receive only |
| AC Power | 110/240VAC 50/60Hz 25W | | 110/240VAC 50/60Hz 15W |
| DC Power (D641/D741) | 12-24VDC | | - |
| Optical Data Communications | Magnetically coupled infra-red communications Conversion cables available for RS-232 or USB | | |
| Approvals | FCC, CE, C-tick Complies with S1/0 for auxiliary devices, suitable for trade applications | | |
| Unit Addressing | Up to 7 | | Up to 99 |
| Features | Display timeout available Font selectable for curved or blocked | Display timeout available Selectable brightness | Display timeout available Summing up to 10 units |
| PC Programming | PC programmable using Viewer software | | |
| Options | Weather Hood, Pole Mount, Swivel Mount | | |

| Large Remote Displays | Dimensions in mm (1 inch = 25.4 mm) |
|---|---|
| Front View | Side View |