



PART NO.

72-7255 / 72-7255A

## REVISIONS

| ECN # | REV | DESCRIPTION | DRAWN | DATE     | CHECKD | DATE     | APPRVD | DATE     |
|-------|-----|-------------|-------|----------|--------|----------|--------|----------|
| -     | 1.0 | RELEASED    | DO    | 12/04/12 | ER     | 12/04/12 | ER     | 12/04/12 |
|       |     |             |       |          |        |          |        |          |



## Features

- Microprocessor circuit with high accuracy and better performance
- 0.0005 oz. resolution and wide measuring capacity
- Large LCD display, 18mm [0.7"] digit size, easy read-out
- Built-in self-calibration system, the calibration value is memorized in EEPROM circuit permanently
- High precision counting scale function
- RS-232 computer interface
- Accepts battery or AC/DC adapter power source
- Built-in "level bubble" and adjustable rubber pads
- Heavy duty ABS housing plastic case

## Specifications

|                              |                                                                            |                        |            |
|------------------------------|----------------------------------------------------------------------------|------------------------|------------|
| Display                      | LCD, 18mm (0.7") digit size,5 digits with annunciator                      |                        |            |
| Measuring Range & Resolution | Units                                                                      | Range                  | Resolution |
|                              | Ounces (oz.)                                                               | 0.005 oz.to 9.9995 oz. | 0.0005 oz. |
|                              |                                                                            | 10.000 oz.to 10.581oz. | 0.001oz.   |
| Minimum Display Weight       | Ounces (oz.)                                                               | 0.005oz.               |            |
| Accuracy*                    | ± (0.05% + 0.0015 oz.)                                                     |                        |            |
| Sampling Time                | Approx.1 second                                                            |                        |            |
| Tare Control                 | Approx.10.58 oz. Max.                                                      |                        |            |
| Transducer                   | Load cell                                                                  |                        |            |
| Circuit                      | Microprocessor Circuit                                                     |                        |            |
| Auto-Calibration             | Use 100g or 200g standard weight to execute self-calibration automatically |                        |            |
| Operating Temperature        | 0°C to 50°C [32°F ~ 122°F]                                                 |                        |            |
| Operating Humidity           | Less than 80% R.H.                                                         |                        |            |
| Size                         | Cabinet                                                                    | 250mm × 180mm × 70mm   |            |
|                              | Platform                                                                   | Round,120mm Dia.       |            |
| Power Supply                 | 6 × 1.5V AA (UM-3) batteries or DC 9V adapter, Neither Supplied            |                        |            |
| Power Consumption            | Approx.DC 25mA                                                             |                        |            |
| Optional Accessories         | RS-232 Software (p/n 72-6701A)                                             |                        |            |
|                              | RS-232 Cable (p/n 72-6704) for 72-7255A only                               |                        |            |

\*Within two hours after self-calibration is executed at 23°C ± 5°C

Spec. tested under the environment RF Field Strength of less than 3 V/M and frequency of less than 30MHz only

## Part Number Table

| Description                          | Part Number        |
|--------------------------------------|--------------------|
| Digital Scale with RS-232 Capability | 72-7255 / 72-7255A |

www.element14.com  
www.farnell.com  
www.newark.com  
www.cpc.co.uk  
www.mcmelectronics.com

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| DRAWN BY:    | DATE:    |
| DO           | 12/04/12 |
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| APPROVED BY: | DATE:    |
| ER           | 12/04/12 |

## DRAWING TITLE:

Digital Scale with RS-232 Capability

| SIZE       | DWG NO.    | ELECTRONIC FILE   | REV           |
|------------|------------|-------------------|---------------|
| A4         | 72-7255-01 | 72-7255-1         | 1.0           |
| SCALE: NTS |            | U.O.M.: mm (inch) | SHEET: 1 of 1 |