

### TECHNICAL DATA

#### Features

- Measures tension and compression
- Records in Peak hold or Normal mode
- Fast/Slow response selection
- Full capacity tare (zero) capability
- Force is measured in kg, lb or Newtons
- Large, easy-to-read backlit display
- Reversible display ensures legible readings regardless of direction
- Real-time datalogger with integral SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Optional PC software features live tracking via USB connection
- Low battery indicator and auto shut off
- Includes load cell sensor with 2 hooks and cable, hard carrying case and batteries

#### Specifications

|                                 |                              |
|---------------------------------|------------------------------|
| Measuring Range:                | 100kg<br>220.5lb<br>980.6N   |
| Accuracy:                       | ±(0.5% rdg + 2 dgt.)         |
| Resolution:                     | 0.15kg / 0.02lb / 0.02N      |
| Response Time:                  | Less than 1 sec.             |
| Full Scale Deflection:          | Less than 1mm                |
| Display:                        | 4-digit LCD                  |
| Backlit Display:                | Yes                          |
| Peak Hold Measurements:         | Yes                          |
| Zero Adjustment:                | Yes                          |
| Overrange Indicator:            | Yes (Audible alarm at 100kg) |
| Datalogging Capabilities:       | Yes                          |
| Real-Time Clock and Date Stamp: | Yes                          |



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|---------------------------|---|
| Selectable Sampling Rate: | Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s) |
| External Memory:          | Yes, expandable up to 16Gb with SD card (optional)    |
| Auto Shut-off:            | Yes (after 10 mins/off)                               |
| Low Battery Indicator:    | Yes   |
| Power Supply:             | 6 AA Batteries or AC Adapter (optional)               |
| Output:                   | Yes   |
| Battery Life:             | Sampling Time Dependent                               |
| PC Connectivity:          | USB Cable (optional)                                  |
| Software:                 | SW-U801-WIN (optional)                                |
| OS Compatibility:         | Windows XP / Vista / 7                                |
| Product Certifications:   | CE  |
| Operating Temperature:    | 0 to 122°F (0 to 50°C)                                |
| Storage Temperature:      | 14 to 140°F (-10 to 60°C)                             |
| Operating Humidity:       | 10 to 85%   |
| Dimensions:               | 215 x 90 x 45mm<br>(8.5 x 3.5 x 1.8")                 |
| Weight:                   | 1.43lb (650g)   |



| Model        | Description                          |
|--------------|--------------------------------------|
| SD-6100      | Force Gauge Datalogger, 100kg        |
| FS-1001      | Force Gauge Test Stand               |
| WG-01        | Wedge Grip                           |
| USB-01       | USB Cable                            |
| SD-4GB       | 4GB SD Memory Card                   |
| RSD-ADP-NA   | AC Adapter, 110V                     |
| RSD-ADP-EU   | AC Adapter, 220V                     |
| SW-U801-WIN  | Data Acquisition Software            |
| R8888        | Hard Carrying Case                   |
| RSD-16GB     | 16GB Micro SD Memory Card w/Adapter  |
| SD-6100-NIST | Force Gauge Datalogger, 100kg & NIST |