

### TECHNICAL DATA

#### Features

- Measures tension and compression (Compression Test Fixture required for push test)
- 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 220.5lb 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 (8.5 x 3.5 x 1.8")
Weight:	1.43lb (650g)



Model	Description
SD-6100	Force Gauge Datalogger, 100kg
SD-6100-LOADCELL	Replacement Load Cell for Force Gauge
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