



N-GAUGE™ ELECTRONIC DEADWEIGHT

Nelgar **N-Gauge™ Hand-Held Deadweight**, utilizing media-isolated, piezoresistive pressure sensors, offer the following advantages:

- extreme accuracy and resolution
- highly stable measuring
- negligible hysteresis
- millions of pressure cycles
- backlight for dim environment
- lightweight and robust
- durable and waterproof storage and shipping case with pre-formed foam for protection



**N-Gauge™
Hand-Held Deadweight**

SPECIFICATIONS (FS – full scale)

| | | | |
|----------------------------|-----------|--------|--------|
| Pressure Ranges (psi, FS) | 1,500 | 3,000 | 5,000 |
| (kPa, FS) | 10,343 | 20,685 | 34,474 |
| Operating Temperature (°C) | -40 to 80 | | |

| | |
|------------|-----------------------------|
| Accuracy | $\leq \pm 0.02\%$ FS max. |
| Resolution | $\leq \pm 0.04\%/K$ FS max. |

| | |
|--------------|---------------------------|
| Display | Backlighting LCD |
| Power Supply | 3.6 volts Lithium battery |

| | |
|--------------------------------|---|
| Material in Contact with Media | Stainless Steel (AISI 316) |
| Pressure Connection | ½" NPT (fittings for other threads on demand) |
| Dimensions | 10.25"H x 4.00"W x 3.50"D |

All **N-Gauge™ Hand-Held Deadweights** have an On/Off switch and a dual function Zero button. When the Zero button is pressed and released quickly, it sets atmosphere pressure as a Zero reference; when it is pressed and held, the LCD screen displays the gauge pressure rating.



N-GAUGE™ ELECTRONIC DEADWEIGHT

Nelgar **N-Gauge™ Pressure Recorders**, utilizing media-isolated, piezoresistive pressure sensors, offer the following advantages:

- extreme accuracy and resolution
- highly stable measuring
- negligible hysteresis
- superior data security
- millions of pressure cycles
- lightweight and robust
- durable and waterproof storage and shipping case with pre-formed foam for protection



**N-Gauge™
Pressure Recorder**

SPECIFICATIONS (FS – full scale)

| | | | |
|----------------------------|-----------|--------|--------|
| Pressure Ranges (psi, FS) | 1,500 | 3,000 | 5,000 |
| (kPa, FS) | 10,343 | 20,685 | 34,474 |
| Operating Temperature (°C) | -40 to 80 | | |

| | |
|------------|-----------------------------|
| Accuracy | $\leq \pm 0.02\%$ FS max. |
| Resolution | $\leq \pm 0.04\%/K$ FS max. |

| | |
|-------------|---|
| Sample rate | 1 per 10 seconds (default, other rates on demand) |
| Memory | over one million points @ default sample rate (\approx 4 months continuous recording @ default sample rate) |

| | |
|----------------|---------------------------|
| Data Interface | RS232 |
| Power Supply | 3.6 volts Lithium battery |

| | |
|--------------------------------|---|
| Material in Contact with Media | Stainless Steel (AISI 316) |
| Pressure Connection | 1/2" NPT (fittings for other threads on demand) |
| Dimensions | 6.0"H x 4.0"W x 3.5"D |

All **N-Gauge™ Pressure Recorders** have an On/Off switch, a LED status indicator and a data port.