



## Pull-off Testers

# DY-216

Automated pull-off tester with a mid-range instrument suitable for most pull-off testing applications



### Accuracy

The ideal calibration accuracy EN ISO 7500-1 Class 1, suitable for most pull-off testing applications, with live view of actual load rate graph



### Performance

Leverage the comprehensive range of test discs plus adjustable foot configuration to cover a wide variety of mid-range applications



### Ease of use

Easy to operate even on overhead walls, combined with a simple programming process of key parameters and a fully automated test



## Instrument

### Tech Specs

|                                 |                                                                                                                                                                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Working Range                   | 0.81 to 8.1 MPa (118 to 1182 psi)                                                                                                                                                                                                            |
| Tensile force (50 mm test disc) | 1.6 to 16 kN (60 to 3597 lbf)                                                                                                                                                                                                                |
| Maximum Stroke                  | 5 mm                                                                                                                                                                                                                                         |
| Maximum Pulling Speed           | 4.65 mm/min (0.183 inch/min)                                                                                                                                                                                                                 |
| Instrument Firmware             | Maximum load<br>Actual load rate<br>Test duration<br>Complete report of the test<br>Failure mode reporting<br>Full data review on instrument                                                                                                 |
| PC Software                     | DY-2 Link with a live view of actual load rate graph                                                                                                                                                                                         |
| Memory                          | 100 measurements                                                                                                                                                                                                                             |
| Connections                     | USB to PC and for charging                                                                                                                                                                                                                   |
| Calibration Accuracy            | EN ISO 7500-1 Class 1 ( $\pm 1$ % from 20 % of maximum force)                                                                                                                                                                                |
| Battery Capacity                | 1500 mAh, 3.7V (min. 80 measurements)                                                                                                                                                                                                        |
| Weight                          | 4.5 kg                                                                                                                                                                                                                                       |
| Applications:                   | Adhesive strength of mortars and renders<br>Adhesive strength of asphalt<br>Adhesive strength of tiles<br>Bond strength of coatings and overlays<br>Bond strength of repair materials such as FRP<br>Tensile strength in concrete renovation |

| Standards & Guidelines | Description                                     |
|------------------------|-------------------------------------------------|
| ASTM C 1583            |                                                 |
| ASTM C1857             | Pull-off strength of concrete repair and mortar |
| ASTM D 4541            |                                                 |
| ASTM D 7234            |                                                 |
| ASTM D 7522            |                                                 |
| EN 1015-12             |                                                 |
| EN 12004-2             |                                                 |
| EN 1348                |                                                 |
| EN 1542                |                                                 |
| ISO 4624               |                                                 |
| JGJ 110                |                                                 |
| JGJ 126                |                                                 |
| JGJ 144                |                                                 |
| SIA 281/3              |                                                 |
| ZTV-ING                |                                                 |
| ГОСТ 22690             |                                                 |

## Authorized Distributor



NL SCIENTIFIC INSTRUMENTS SDN. BHD. (881121-P)  
 No. 16, Lorong Sungai Puloh 1A/KU6,  
 Taman Teknologi Gemilang,  
 Kawasan Perindustrian Sungai Puloh,  
 42100 Klang, Selangor, Malaysia.

**Email**  
[sales@nl-test.com](mailto:sales@nl-test.com)

**Hotline**  
 +603-3884 6088

**Website**  
[www.nl-test.com](http://www.nl-test.com)