



Unique Group

Load Testing Solutions

## PRODUCT REPORT

# Wire Rope Wedge-Socket Load Indicating System



Buoyancy & Ballast

[www.uniquegroup.com](http://www.uniquegroup.com)

# Wire Rope Wedge-Socket Load Indicating System

## Product Details

When developing new load monitoring and measurement systems for use in lifting applications, innovation and reliability of design are paramount. This focus has led to the introduction of our wedge socket crane load indicating systems.

These systems have been designed to replace the standard wire rope dead-end. Requiring no modification to the existing wire rope reeving of the crane, simply replace the existing wedgesocket with our modified version for the same sized wire rope. The result is no loss of headroom or functionality to the crane.

Available in both radio telemetry and cabled configurations, our systems give clients maximum flexibility in choice. Together with our parts of line option, the system can be used on cranes where the parts of line alter from job to job, without having to recalibrate the load indicating system. Other available options include solar power, data logging, set points, tape printer and serial I/O. Wedge-socket systems are ordered based on the wedge-socket wire rope size, not crane capacity or parts of line. Selection of the appropriate systems therefore straightforward and uncomplicated.

Capacities	5,10,25,50,100,250	te
Full load output	1.0 nom	mV/V
Zero load output	<±0.004	%
Excitation (max)	10 (15)	V
Accuracy	<0.5	%
Repeatability	<0.10	%
Input resistance	375	Ω
Output resistance	350	Ω
Compensated temp. range	+20 to +60	°C
Operating temp. range	-30 to +70	°C
Temp. coefficient on zero	<0.050	%Capacity/°C
Temp. coefficient on span	<0.030	%Capacity/°C
Safe Overload	150	%
Insulation	>500@ 100Vdc	MΩ
Environmental protection	IP68	



**Unique Group**

E. [buoyancyballast@uniquegroup.com](mailto:buoyancyballast@uniquegroup.com)  
W. [www.uniquegroup.com](http://www.uniquegroup.com)





Local presence  
worldwide

### UNIQUE GROUP OFFICES

#### MIDDLE EAST

##### UAE

Unique Group FZC  
Sharjah  
T. +971 6 5130333  
E. uaesales@uniquegroup.com

##### QATAR

Unique System Tr & Eng WLL  
Doha  
T. +974 44147079  
E. qatarsales@uniquegroup.com

##### SAUDI ARABIA

Muraba Alsahra Trading LLC  
Riyadh and Al Khobar  
T. +966 13 802 0614  
E. ksasales@uniquegroup.com

#### ASIA PACIFIC

##### SINGAPORE

Unique System (SEA) Pte Ltd  
Singapore  
T. +65 6542 1800  
E. fareastsales@uniquegroup.com

##### INDIA

Unique Hydrographic Systems Pvt Ltd  
Navi Mumbai and Vadodara  
T. +91 22 27619939/40/41/75  
E. indiasales@uniquegroup.com

#### AUSTRALIA

##### PERTH

Unique Subsea Australia Pty Ltd  
Perth Airport Park  
T. +61 418 205 212  
E. aussales@uniquegroup.com

##### QUEENSLAND

Unique Subsea Australia Pty Ltd  
Pinkenba, Queensland  
T. +61 418 205 212  
E. aussales@uniquegroup.com

#### USA

##### CENTRAL

Unique System Inc  
Houston, Texas  
T. +1 713 937 6193  
E. usasales@uniquegroup.com

##### EAST COAST

Water Weights Inc  
Suwanee, Georgia  
T. +1 678 730 4180  
E. buoyancyballast@uniquegroup.com

##### WEST COAST

Water Weights Inc  
Montclair, California  
T. +1 909 626 8316  
E. buoyancyballast@uniquegroup.com

#### AFRICA

##### SOUTH AFRICA

Unique Hydra (Pty) Ltd  
Cape Town  
T. +27 21 835 7900  
E. sasales@uniquegroup.com

##### NIGERIA

Unique Charkin System Ltd  
Port Harcourt  
T. +234 908 5659444  
E. nigeriasales@uniquegroup.com

#### EUROPE

##### UK

Unique Seaflex Ltd  
Cowes, Isle of Wight  
T. +44 1983 290 525  
E. buoyancyballast@uniquegroup.com

##### Unique System (UK) Ltd

Water Weights Ltd  
Aberdeen, Scotland  
T. +44 1224 723 742  
E. uksales@uniquegroup.com

##### NETHERLANDS

Unique System BV  
T. +31 850 513 700  
Water Weights BV  
T. +31 850 513 750  
Werkendam  
E. info.wwnl@uniquegroup.com

Unique Group's Buoyancy & Ballast products are available for hire or purchase from more than 20 other worldwide locations via our network of independent partners. Please contact us for more details.