



LIFE CYCLE MEASUREMENT OF CRANES

According to European Standard – FEM 9.755



**European Standard
FEM 9.755 Compliant**

New Crane-Weighing Solution Available

New crane-weighing solution from Vishay Nobel incorporates our load cells with state-of-the-art G4 instrumentation for logging time, position and weight to optimize service and maintenance intervals. Provides a cost-effective solution to compliance with European crane standard FEM 9.755, which establishes calculation of service intervals and life-cycle measurement parameters for cranes above 1000 kg.


FEATURES

- Applicable to new and existing cranes
- Calculates service intervals according to FEM 9.755
- Connects up to 8 load cells in individual channels
- Sums all channels – main load
- Controls and logs overload
- Performs standard weighing functions
- Displays total weight and difference between crane sides
- Sets values for up to 32 load levels
- Logs up to 3 different operation times
- Compensates for faulty load cells
- Enables data downloading onto memory stick
- Communicates via field bus or analog output
- Allows optimum service intervals



Configuration

Instrumentation	
Product (Front View)	Description
 <p>DIN Rail Mount</p> <p>Panel Mount</p>	<ul style="list-style-type: none"> • Modular configuration of weighing, communication, and I/O modules • Fieldbus support: Modbus TCP, Profibus, DeviceNet, and others • Displays: <ul style="list-style-type: none"> - Panel mount: 5.7-inch LCD color graphic touch screen - Rail mount: 2x16-character dot matrix LCD • Weighing channels: <ul style="list-style-type: none"> - Panel mount: Maximum of 8 - Rail mount: 6 • Power supply: 24 VDC. Panel mount version—optional 220/110 VAC. • Stainless Steel and stand-alone models are also available

Load Cells	
Product	Description
	<p>Double-ended shear beam with I-beam cross section High-accuracy load cell for weighing and force measurement, e.g., cranes, wheels, ladles, ovens</p> <ul style="list-style-type: none"> • Capacity from 0.5 kN • Combined error: 0.2 to 0.5% of R.O. • Cable or connector • ATEX-approved

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