



Description

The Model 4911 Rebar Strainmeters (rock-bolt stress meter) applies to the monitoring of stress change of reinforcement or rock bolt of concrete and other structure, and it enjoys high precision, high sensitivity, excellent waterproof performance and long-term stability.

The built-in sensor can monitor the ambient temperature of installation position. The special four-core anti-interference shielded cable is used to transmit frequency and temperature resistance signals, and the measured value is not affected by the length of cable.

DS-4911 series reinforcement meter is suitable for long-term monitoring of reinforcement stress and anchor rod stress change of building in various harsh environments. Both ends of the instrument can be welded in the middle of reinforcement to be measured, or be processed into screwed joints according to the size provided by users to facilitate field installation.

$\phi 12\text{mm} \sim \phi 16\text{mm}$ small-diameter reinforcement meter can serve as "sister rod", and it is allowed to be bound directly near the large-diameter ($\geq \phi 22\text{mm}$) reinforcement to be measured, without welding, to obtain the stress of reinforcement to be measured by means of equivalent measurement.

Specifications

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|-------------------|---|-------------|-------------|
| Model | DS-4911-210 | DS-4911-300 | DS-4911-400 |
| Standard Ranges | 210 Mpa | 300 Mpa | 400 Mpa |
| Nonlinearity | linear: $\leq 1\%$ FS; polynomial: $\leq 0.5\%$ FS | | |
| Resolution | 0.07%FS | | |
| Temperature Range | -20~+80°C | | |
| Water Resistance | Can be customized according to customer requirements, 0.5 、 2MPa or other water resistant | | |
| Diameter | 12、 16、 18、 20、 22、 25、 28、 32、 36、 40mm | | |
| Connecting rod | High strength screw thread steel、 high strength round steel | | |
| Length | 900 mm | | |

Contact us:

DuSense LLC

Tel.: +971.4.8135972

Email: info@dusense.ae