

SmART Cell™



SmART Cell is a tension measuring instrument for steel strand.

Features

Easily attachable: SmART Cell can be easily attached to steel strand

Attachable anytime: Even tension of existing steel strand can be measured

Portable & easy handling : Compact, light weight & battery operating

High-speed sampling: SmART Cell can measure dynamic change of tension

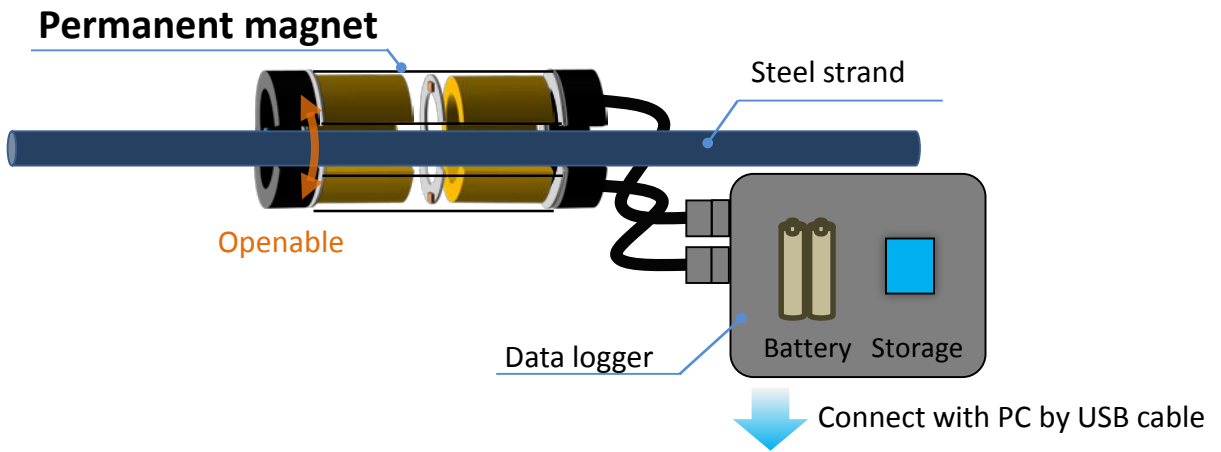
Specifications

SmART Cell

Measuring Object	<ul style="list-style-type: none"> • Bare strand 15.2 mm, 15.7 mm • Epoxy coated strand 15.2 mm, 15.7 mm
Dimension	φ56 x 124 mm
Weight	1.5 kg
Cable length	150 mm – 3,000 mm
Measurable tension	0 – 200 kN (within elastic region of steel strand)

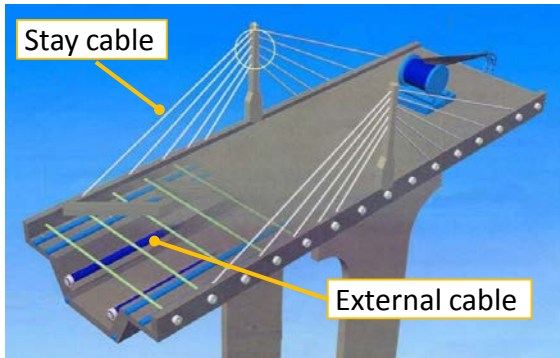
Data logger

Dimension	120 mm x 67 mm x 35 mm
Weight	120 g
Sampling rate	1 sec* – 24 hours
Resolution	0.1 kN
Memory	2,000 samples
Interface	USB (to connect with PC)
Power supply	(A) Two AA-sized batteries (B) USB bus power

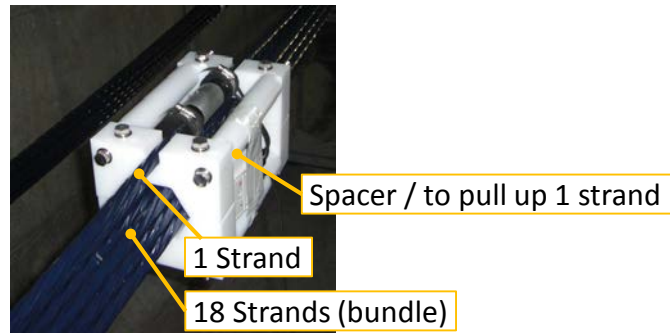


Application

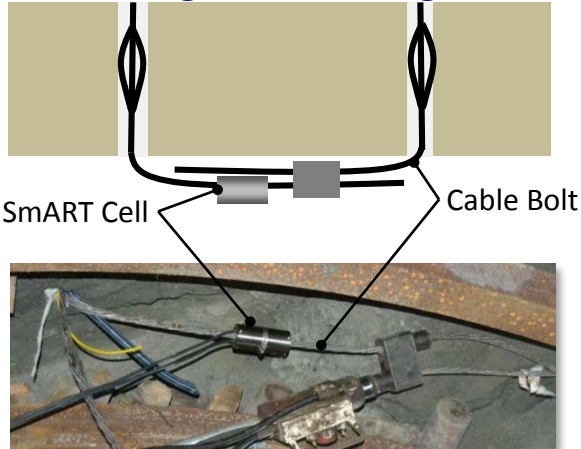
For prestressed concrete structure



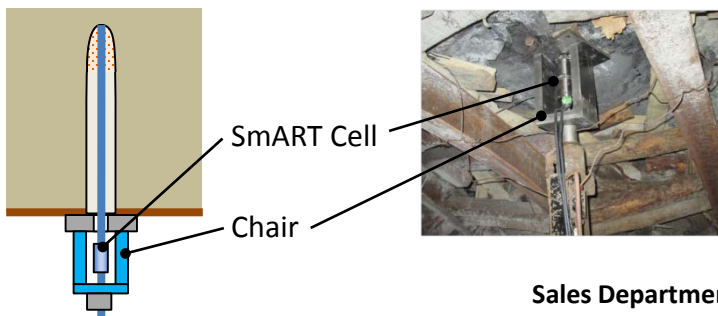
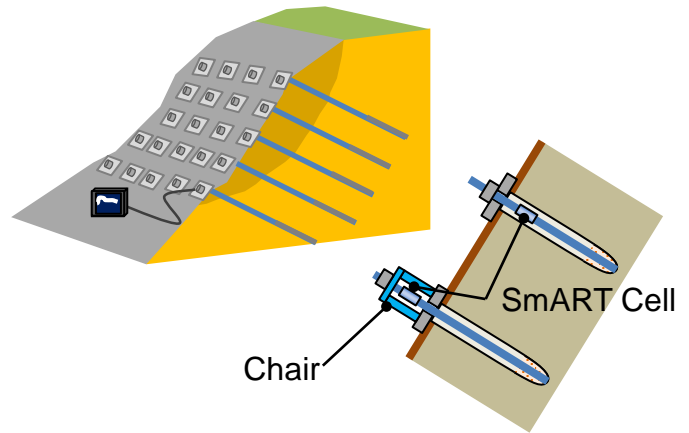
For external cable of 19 bundled strands



For underground mining



For ground anchor



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