



# Q1210

## Pull Tester



### Function

The motorized Q1210 pull tester measures pull-out forces from 20 up to 1000 N. The device fits a huge application range from small till heavy gauge. A highly sensitive control circuit keeps the pull-out speed extremely constant. With its sturdy, robust construction, the device can also withstand harsh conditions in industry. Q1210 is seamlessly integrated in the TopWin machine software and the operator is guided step-by-step through the work procedure. The measured value is transmitted directly to the basic machine and compared to the target value. The measured pull-out forces are also issued over the WPCS interface.

### Verification unit Q1210 as accessory

The accuracy of the device can be checked with the Q1210 verification unit, which is available as an option. The testing procedure is easy to carry out. Distributed over the whole measurement range multiple measurement values are taken. These values will be compared then to the values measured by the test unit reference sensor. A certificate is generated at the end of the procedure.

### Technical data

Resolution*	20 .. 200N >200 .. 1000N	0.2N 0.5N
Accuracy*	20 .. 40N >40 .. 1000N	Class 2 Class 1
Pull-out speed	25, 50, 100, 200mm/min	
Data interface	USB	
Electrical connection	24 VDC / 18VA	
Dimensions (LxBxH)	135x178x341mm (without clamping device) 181x178x341mm (with clamping device)	

\* Measurement ranges are switched automatically

### Your benefits

- Easy operation, ergonomic handling for left-handed/right-handed operators
- Wide application range: small to heavy gauge
- Gain in quality because correct machine setup is ensured
- Reproducible measurements thanks to the high degree of accuracy
- High availability assured by ultra-sturdy construction
- Reliable operation due to sensor-controlled clamping protection function

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