

DATA SHEET

Coaxial Extensometers with Fixed Base Length



70-C0961/H

General description

Introduction

Extensometers used for measuring the extension of specimens in traction, particularly in the case of steel and brittle materials, are only able to detect strain during the first stage of the test, or rather, while the brittle materials conserve their elasticity as they have to be disconnected before failure. This simple and economic system fully satisfy these requirements because:

- it is applied directly to the specimen
- it remains connected until breakage
- it measures extensions with high precision of both elastic and plastic stage and with the appropriate simple adjustment, it is connectable to almost all testing machines

Description

The extensometers are basically made by 2 clamping devices and a middle tubular steel part determining the gauge length of 200 mm.

Main features

- Applied directly to the specimen up to the failure
- Measures extension of both elastic and plastic stage
- High precision electronic transducer
- 2 model dedicated to rebars
- 1 model dedicated to strands

Standards

- ASTM A370
- EN ISO 15630-1

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Specifications

Models	70-C0961/G	70-C0961/H	70-C0961/E
Measuring range dia. Min/Max	16 - 40	6 - 26	6.35 - 15.2 (strands)
Base length	200 mm	200 mm	600 mm
Transducer travel	75 mm	50 mm	50 mm



70-C0961/G



70-C0961/E

Products

70-C0961/E

Coaxial electronic extensometer to measure the elongation of wires up to failure. Gauge length: 600mm; Max travel: 50mm

70-C0961/G

Coaxial electronic extensometer for round specimens from 16 to 40 mm dia. Gauge length: 200 mm. Travel: 75 mm.

70-C0961/H

Coaxial electronic extensometer for round specimens from 6 to 26 mm dia. Gauge length: 200 mm. Travel: 50 mm.