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The invention relates to the measurement technology and may be used for casting conductors or semiconductors in isolation.

The method for measuring the cross-section of a wire in the casting process, for example a microwire in glass insulation, consists in its extraction from a metal melt, winding of the cast microwire on a metal frame, forming a spool with cast microwire with the equivalent electrical impedance Z_b, measurement of microwire cross-section and its control by controlling the microwire casting mode. Measurement of microwire cross-section is carried out by means of a resistor with resistance *R*, connected in series with the spool with microwire and the portion of measured microwire of a fixed length *l*, linear resistance *r* and integral resistance *rl*, forming a series circuit of total resistance $R+Z_b+rl$.

Claims: 5
Fig.: 5