

## Tacho Controller DTC 100

**"Three wire measuring functions in one unit."**

- ▶ measurement of wire speed, wire length and rotational speed
- ▶ different units of measure can be selected
- ▶ simple operation
- ▶ for standard wires
- ▶ including calibration certificate



**Dinse - wire measuring made easy.**

With the digital Tacho Controller DTC 100 we offer you a tool for preparing and documenting welding procedure specifications (WPS) and welding procedure approvals (WPAR).

It is a reliable and versatile tool for quality control of welding-based production. In addition to measuring the wire length and speed, the DTC 100 is equipped with a tachometer.



### Flexible application

Measurement of the wire feeding speed can be carried out at the gas nozzle or directly on the spool holder.

### International units

The wire feeding speed can be monitored in m/min, m/sec, ft/min, ft/sec and inch/min. This allows the DIX DTC 100 to be used in a variety of ways and across national boundaries.

### Mechanical and optical rpm measurement

Using different adapters, mechanical rpm measurement can be carried out. Simply pulling off the adapter turns the DTC 100 into an optical measuring device: A laser diode facilitates fast, precise and contactless measurements. The exact rotational speed can be determined by applying a reflex mark, e.g. on a feed roller.

### Exact consumption measurement

With the DTC 100, the current wire feeding speed and the wire length used can be documented with precision.

### Memory-Function

The last measured value is preserved even when the unit is switched off. Thus the data is available for the next measurement.

### Certified measurements

Of course, we deliver the DTC 100 with a certificate of calibration.

Speed measurement (optical)



Speed measurement (mechanical)



Measurement of distance and speed



Digital Tacho Controller DTC 100

Measuring range rpm: 1– 99.999 rpm (optical) / 1–19.999 rpm (mech.)

Measuring accuracy:  $\pm 0.02\%$  of measured value  $\pm 1$  Digit

Measuring distance: max. 600 mm (24 in)

Measuring principle: optical / mechanical