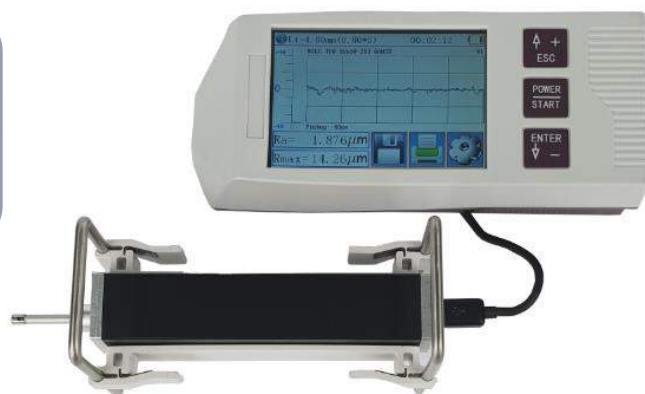


# RTD-210

## Surface Roughness Tester



The RTD-210 by Starr Instruments is an advanced surface roughness tester that provides the user with comprehensive testing capabilities.

The separate stylus drive unit is attached on a 1mt long fly-lead. It is designed to allow measurement on almost any surface, including difficult to access samples such as inside or outside bores on small diameter pipe or tube, stepped gears, o-ring grooves and recessed notches.

### FEATURES:

- 3.5" Full colour LCD Touch Screen
- Wide measuring range  $\pm 160\mu\text{m}$
- Separate stylus drive unit and fly lead for increased accessibility.
- Large internal memory and USB communication + charging
- Adjustable height stand for precise measurement

### SPECIFICATIONS:

<b>Maximum Travel</b>	20mm
<b>Accuracy</b>	better than $\pm 6\%$
<b>Main Parameters</b>	Ra, Rq (0.005 $\mu\text{m}$ ~30 $\mu\text{m}$ ) Rz, R3z, Ry, Rt, Rp, Rm (0.02 $\mu\text{m}$ ~320 $\mu\text{m}$ )
<b>Other Parameters</b>	Rq, Rt, Rp, Rv, R3z, R3y, Rz(JIS), Rs, Rsk, Rsm, Rku, Rmr, Ry(JIS), RMax, RPC, Rk, Rpk, Rvk, Mr1, Mr2
<b>Filter</b>	RC, PC-RC, Gauss, D-P
<b>Sampling Length "L"</b>	0.25mm, 0.8mm or 2.5mm
<b>Stylus Force</b>	4mN (0.4gf)
<b>Stylus Tip</b>	Diamond, 90°, 5 $\mu\text{m}$ R

Standard delivery kit includes main display processor unit, stylus and motor drive unit, height adjustable stand, touchscreen stylus, USB cable and mains charger, calibration certificate, Ra calibration specimen and specimen holder.

