

# FOIF Releases the EDM R1000 for Total Station



FOIF announces a new, unique reflectorless EDM R1000, a long distance measurement 1000 meters (Condition: Sunny, Light haze, visibility about 20 km; slight heat shimmer). In addition to having the precision pulse phase ranging system, the Standard deviation (ISO17123-4) is 1mm+1.5ppm/prism model, 2mm+2ppm/no prism. The R1000 is available for TS680 and new models TS330/ TS350 series total station.

**The main features and specifications as following:**

- UHF distance measurement, high resolution 0.1mm.
- Smaller spot size 20mm x15 mm at 100m
- No fiber, no motor, it is the first EDM in professional surveying instruments.
- Digital signal System analyzer.
- Multi-object recognizing technology.

**Laser Class**

Prism standard/long mode	Class 1/Class 2(IEC 60825-1)
Reflective sheet	Class 2 (IEC 60825-1)
Reflectorless standard/long mode	Class 2/3R (IEC 60825-1)

**Measurement range (Good Condition)**

Reflectorless	1 to1200m
Single prism/standard	1 to3500m
Single prism/Long mode	1 to6000m
Reflective sheet/RP60	1 to1200m

**Accuracy**

Prism Standard/long mode	1.5mm + 1.5ppm/2mm + 2.5ppm
Reflectorless mode	2mm+2ppm (1-500m)/4mm+2ppm (500m)
Reflective sheet	2mm+2ppm

**Measurement time (Initial: 2.5s)**

Prism	typical 1.0-1.5s,	
Reflective sheet (RP60)	typical 0.7s-6s Reflectorless	typical 1.5-5s, max. 20s