

# Sensational decathlon world rec



*Roman Sebrle was the first person to exceed the magical 9000 points mark. The program for the determination of the height of the pole vault crossbar is also stored in the Leica total station.*

*Below: The high jump and discus had already been measured using Leica total stations in the previous year at Götzis using reflectorless techniques.*



## Beijing Universiade uses Leica TCR700 measurements

The largest international student games, the "Universiade", took place in August 2001 in Beijing. Leica systems were used for recording all distance measurements. The measurements were taken with five instruments from the 700 Series total stations and a TC305. Already in the previous year, those working in the centre of the arena at the national championships in Shanghai had learned to appreciate the Leica Geosystems equipment – especially in the time saved in measuring and transferring the results on to the big screen.

At the world-class international decathlon meeting in Götzis (Austria), the organisers took distance measurements with Leica TCRA1103plus total stations. For the first time in this event a competitor exceeded the magical 9000 point mark. Czech athlete Roman Sebrle scored 9026 points. The previous world record was held by Tomas Dvorak with 8994

Werner Christes from Leica Geosystems Heerbrugg assisted the Feldkirch geomatics engineer Günter Lackner in taking the measurements. He worked in his own office (and still does) with another manufacturer's instruments. However, he has now made an offer to buy one following his positive experiences with a TCRA1103plus whilst measuring the world

### The 9026 point decathlon record at Götzis

	<i>New world record</i>	<i>Previous world record</i>
World record holder	<b>Roman Sebrle</b>	Tomas Dvorak
Venue	<b>26/27.5.01 Götzis</b>	03/04.07.99 Prague
Points score	<b>9026</b>	8994
Discipline:		
100 metres:	<b>10.64 seconds</b>	10.54 seconds
Long jump:	<b>8.11 metres*</b>	7.90 metres
Shot put:	<b>15.33 metres*</b>	16.78 metres
High jump:	<b>2.12 metres*</b>	2.04 metres
400 metres:	<b>47.79 seconds</b>	48.08 seconds
110 metres hurdles:	<b>13.92 seconds</b>	13.73 seconds
Discus:	<b>47.92 metres*</b>	48.33 metres
Pole vault:	<b>4.80 metres*</b>	4.90 metres
Javelin:	<b>70.16 metres*</b>	72.32 metres
1500 metres:	<b>4:21:98 minutes</b>	4:37:20 minutes

\* Measured using Leica TCRA1103plus

points, who, like the whole of the world's elite and Erki Nool, the gold medal winner in Sydney, was there at the start. This first-time breaking of the 9000 point barrier will go into sporting history, together with the Leica distance measurement instruments.

record performances at the Götzis stadium. According to surveying engineer Lackner: "The 200 metres reflectorless range of the Leica TCRA1103plus is most persuasive! And here on site, the speed of the measurements is impressive. What gives me further confidence



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to change my system is the comprehensive range of accessories available from Leica Geosystems. We have to be as versatile as possible in our work – and for that a good accessory portfolio is very important.”

*Below: Roman Sebrle and Tomas Dvorak are trained by Vana Zdenec. The technical trainer won a DISTO last year for being the most successful decathlon trainer. Vana Zdenec: “Tomas Dvorak built his house using the DISTO. It is an first class instrument. Even when I am training and wish to know exactly how high the bar is. It is just the job!”.*

