



Accessory Newsletter – No.2

LEICA GEOSYSTEMS TRIPODS

Leica Geosystems offers a range of tripods to suit all instruments. In order to achieve the instrument specified accuracy it is vital that the correct tripod is used. The construction and weight of the tripod have a major influence on providing a stable platform for the instrument. The purpose of this newsletter is to provide clear guidelines in choosing a suitable tripod on the purchase of a new instrument.

The tripods are available with either wooden or aluminium legs. The wooden types have excellent vibration damping characteristics. The aluminium tripods are light weight and completely resistant to conditions of high humidity. For precision work, wooden tripods should be used as they are more stable and less susceptible to expansion when exposed to sunlight than aluminium tripods.

The GST range of tripods are designed and manufactured to the highest specifications. This is in order to provide an accessory with similar environmental specifications and life span as our instruments.

Leica Geosystems also offers, as a low cost alternative, tripods manufactured in China. These tripods are thoroughly tested to confirm that they suit our specifications of robustness and long service life.

The following tripods are offered by Leica Geosystems:

1. GST20 RANGE OF WOODEN TRIPODS

The GST20 range of tripods are well regarded by the market for being extremely stable and long lasting. They are recommended to be used with TPS for surveying and engineering applications. This range consists of the GST20, GST20-9, GST120-9 and GST40 wooden tripods. The legs are manufactured from selected Beech wood. This wood is extremely stable providing minimal twisting distortion. For protection from the elements the legs are oiled and then double coated with environmentally friendly paint. All metal parts are anodised and then red powder coated to prevent corrosion. The screws are of stainless steel to prevent rusting, even in conditions of high humidity.

The GST120-9 model provides a unique, patented self-closing feature for quick set-up and stowing.

The GST40 model is recommended for precision levelling providing extremely high stability and fast set-ups due to the rigid legs.

2. GST05 AND GST05L TRIPODS

Available with wooden (GST05) or aluminium (GST05L) legs, these tripods offer a lighter weight alternative to the GST20 range. The wooden legs are covered by a heat-shrunk polymer. This protects the wood even in conditions of high humidity. Being extremely resistant to the environment, the GST05 tripods can remain set-up for long periods in all weather conditions. This is vital for GPS applications which demand durable weather resistant equipment.

3. CTP101 AND CTP103 TRIPODS

These heavy duty tripods, for construction surveying applications, are available as wood (CTP101) or aluminium (CTP103) types. Manufactured in China to Leica specifications, they offer a low cost alternative to the GST range. No spare parts are available for the CTP tripods.

4. BST RANGE OF ALUMINIUM TRIPODS

These light weight tripods, with quick release clamps, are suitable for construction levelling applications. The BST01L is available with a flat head or with a dome head (BST01LK). The BST02L has metal feet and wider legs, making this model heavier and more stable.

TRIPOD / INSTRUMENT TABLE

The table below provides a quick reference for choosing a suitable tripod in order to meet the specifications of the instrument.

INSTRUMENT	TRIPOD
TPS1200 TPS700 TPS800	GST20, GST20-9 or GST120-9 heavy duty wooden tripod.
DNA NA2/NAK2	GST20 tripod with plumb bob, GST40 wooden, rigid leg tripod.
GPS1200 SR20 NA700	GST05 wooden or GST05L aluminium medium duty tripod.
TPS400 T/TPS100	CTP101 wooden or CTP103 aluminium heavy duty tripod.
SPRINTER RUNNER	BST01L, BST01LK or BST02 light duty aluminium tripod.