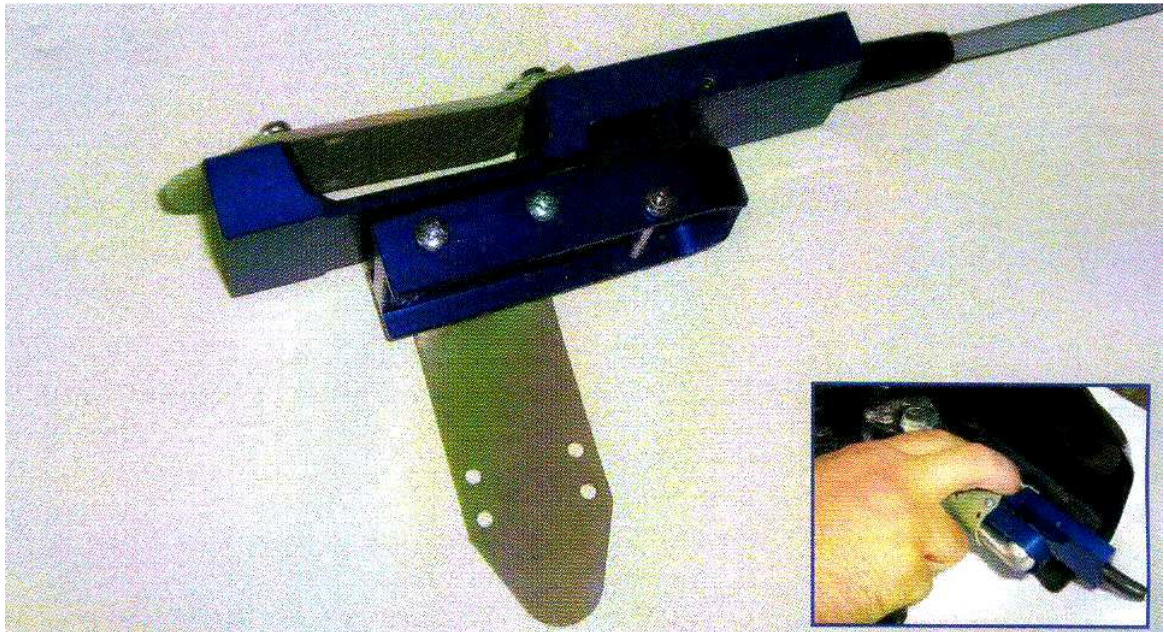

SA-BS04-000**Pedal force sensor**

**Key Features:**

- *Measuring the force applied to the brake-/ clutchlever*
- *For forces up to 500N*
- *Force measured by strain gauge system with integral amplification*
- *Offset and amplification adjustable within narrow limits*
- *Easy mounting using a rubber strap*

SA-BS04-000

Pedal force sensor

Technical specifications

Electrical characteristics			Mechanical characteristics		
Supply voltage	V	12-30	Aluminium Housing		
Current consumption	mA	20	Weight	g	354
Output	VDC	0-5	Cable		
Nominal load range	N	500	Length	mm	2500
Overload limit	N	600	Connector type		
Accuracy	% FS	±0.5	Standard		Binder 719, 5PM
			Other options		On request
Environmental data					
Ambient operating range	°C	-10 to +50			
Humidity	%	5 to 95			
Protection class:	IP	65			
Vibration resistance					
Shock	G	40			
During time period of	ms	10			
Vibration tested @	G	12			
Measured with	Hz	1000			
Ordering information					
For ordering this product use 2D					
Article number SA-BS04-000					

Dimensions

TBD

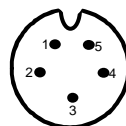
Connector layout

Binder 719, 5PM

Pin	Name	Description	Colour
1	GND	Ground	white
2	nc	Not connected	-
3	Vext	Power supply	brown
4	n.c.	Not connected	-
5	Signal	Signal output	green

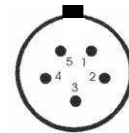
Connector type

Plug at module



Binder 719 5PM
Front view

Mating plug



Binder 719 5PF
Front view

SA-BS04-000**Pedal force sensor**

Manual :**Mounting the pedal force meter**

The pedal force meter is mounted on the hand-brake lever of a motorcycle. When it is mounted, the outer end of the handbrake lever must contact a stop on the pedal force meter.

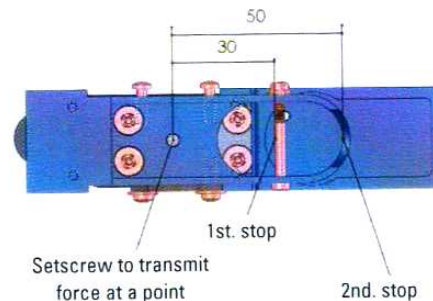


There are two stops with different distances to the point at which the force is transmitted to the pedal force meter:

1. Stop against the cap screw with 30 mm spacing = USA standard
2. Stop on rounded end with 50 mm spacing = European standard

By removing (=> 50 mm spacing) or fitting (=> 30 mm spacing) the screw to the pedal force meter, you can set this distance.

If the form of your brake lever is such that the socket set screw used to provide optimum force transmission at a point is unsuitable, you must remove the set screw. The effect of this is that load is transmitted over an area and that measurements are less accurate.



Lay the pedal force meter against the end of the brake lever and secure it with the rubber band.

The pedal force meter should now be on the side of the brake lever away from the handlebar with the connection lead to the outside.

