Electronics & Software

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Control Box BaseLine

Type 5693

for RoaDyn® P103/P106 with Slip Ring BaseLine

Control box Type 5693 is the interface between torque wheel-sensor RoaDyn P1xy with slip ring module BaseLine Type 9875 and the user's data acquisition equipment.

- For up to 4 torque measuring wheels
- 4 Output signals M_y
- Reset/Operate function
- Measuring range switching
- With noise suppression
- No signal filtering
- Connection to on-board supply 9 ... 18 VDC

Description

The signal M_y will be transmitted from the rotating torque wheel sensor to the control box Type 5693 via the slip ring module Type 9875 and a 7 meter connecting cable Type 1767A7.

Application

The control box, combined with the RoaDyn P1xy BaseLine torque measuring wheels, allows a cost effective access in the field of traction measurements of vehicles. In combination with the torque wheel-sensor P103, P106 there are applications for the control box in the automotive industry, particularly in automobile engineering or automotive research.

The main focus is on dynamic stability and traction control, ABS systems, the investigation of fading effects, braking jitter, performance measurements, the measurement of friction and coasting behavior. Further applications are the development of transmission systems, chassis control systems as well as the preparation of government safety tests such as, for example, the U.S.-procedure FMVSS 135.

Fig. 1:   Control Box Type 5693

Technical Data

Weight		kg	0,5
Dimensions (LxWxH)		mm	185,5x64x35
Power supply		VDC	9 ... 18
Power consumption		W	5
Signal output	M_y	V	±3,5
Output noise		mVpp	<10

Included Accessories
- None

Zubehör (optional)	Type/Art. No.
• Connection cable, Fischer 6 pin pos. – D-Sub 25 pin pos., length = 7 m	1767A7
• Connection cable to DAQ system, BNC pos. – BNC pos., length = 2 m	1601B2
• Connection cable to DAQ system, BNC pos. – BNC pos., length = on request	1601Bsp

Ordering Code
- Control Box for RoaDyn P103/P106 with slip ring module BaseLine   **Type 5693**

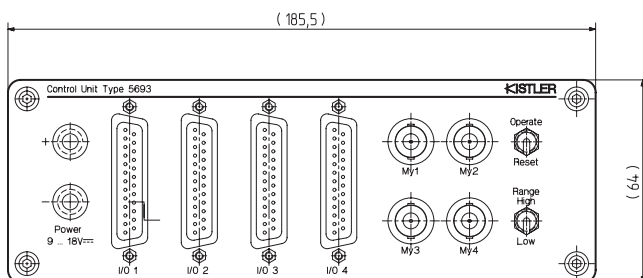Fig. 2:   Control box Type 5693