

### Description



- Mechatronic pedals with “Press-by-wire” technology, no need of steel cables
- Easy to install and connect to modern electronic units and endothermic engines
- Embedded control signal to increase safety (8 to 36 V<sub>DC</sub> only)
- Hall effect technology for measurements without friction
- Double return spring for maximum reliability
- Various rest positions inclinations for user maximum comfort
- Broad and non-slip pedal available in S, M and L sizes
- Horizontal or vertical cable output
- Accelerator behavior

#### Options:

- Enhanced safety with double channel architecture
- Double channel architecture with crossed outputs
- Customizable on request



Hall effect sensor



Double Mechanical spring



Protection Grade IP67



Various rest positions



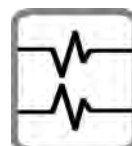
Various pedal sizes



Single channel



Double channel



Double crossed channel

### Technical data

Power supply	5 ± 0.2 V <sub>DC</sub> or 8 to 36 V <sub>DC</sub>
Outputs	0.5 to 4.5 V <sub>DC</sub>
Sensor technology	Hall effect
Maximum power draw	20 mA to 50 mA
Linearity	2%
Footrest length	Small (193 mm)   Medium (214 mm)   Long (238 mm)
Footrest material	PA66 (Nylon) GF30 (Glass fiber)
Inclination at rest	30/35/40/45 degrees
Operative angle	20 degrees
Duration stress (full rotation)	10 MInCycles @ 60 cycles/min
Duration stress (±2 degrees)	80 MInCycles @ 300 cycles/min
Return springs	2
Springs forces	Start: 1 kg, end of stroke: 3.5 kg
Frame structure	Steel thickness 3 mm
Springs and frame treatment	Black cataphoresis
Standard cable length	30 cm
Connectors	Deutsch™ DT Series
Standard protection grade	IP 67
Electrical regulations	2004/108CE, EN 55011:2009 class B, EN 61000-4-2:2009, EN 61000-4-4:2004 EN 61000-4-5:2006, EN 61000-4-11:2009
Mechanical regulations	FMVSS-124
Vibration resistance – Sinus	EN 60068-2-6: 20 g @ 100 Hz
Shock resistance – Shock	EN 60068-2-27: 50 g @ 10 ms
Weight	1.2 kg
Operating temperature	From -40 to +85 °C
CE Conformity	2004/108/CE
EMC: Immunity   Emission	EN 61000-6-2   EN61000-6-3, EN 13309

### Ordering Code

M	35	S	U	9	H
Footrest dimension	Opening angle	Channels type	Power supply	Output signal	Cable output

#### Footrest dimension

S	Small footrest
M	Medium footrest
L	Long footrest

#### Opening angle

3	0	Opening angle in rest position equal to 30°
3	5	Opening angle in rest position equal to 35°
4	0	Opening angle in rest position equal to 40°
4	5	Opening angle in rest position equal to 45°

#### Channels type

S	Single channel
D	Double channel
X	Double channel with crossed signals

#### Power supply

U	8 to 36 V <sub>DC</sub> power supply	Not available for double channel versions
C	+5 V <sub>DC</sub> power supply	

#### Output signal

5	0.5 to 4.5 V <sub>DC</sub> output. Input voltage V <sub>IN</sub> =5 V <sub>DC</sub>
9	0.5 to 4.5 V <sub>DC</sub> output. Input voltage V <sub>IN</sub> =8 to 36 V <sub>DC</sub>

#### Cable output

H	Horizontal direction cable output
V	Vertical direction cable output



### Standard

### Dimensions [mm]

