

# Product Basic Information\*

www.vdo.com

## Agri Pedal Throttle Control

### Description

Throttle accelerator pedal for tractor application. Two internal return-springs are used for safety and resetting the pedal position. For robust and save operation. The response signal of the lever position is carried out by a contact less sensor.



Different sensor electronics provides analogue- or PWM signals. Depending on the sensor type, the idle position detection is carried out by transistor or photo coupler switch or if an independent circuit is required, an infrared solution is used.

### Features

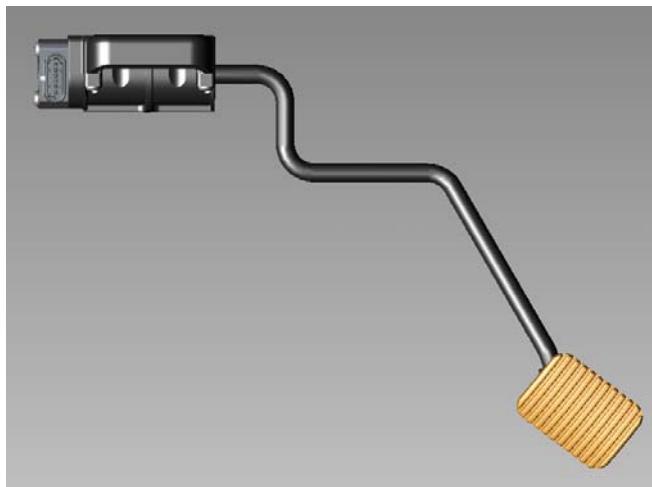
- \_ Robust and flexible operation
- \_ Different interfaces available.
- \_ Contact-less and non-wearing sensor
- \_ High reliability

### Concept

A robust VDO mechanic on customer request guarantees a long and trouble-free operation.

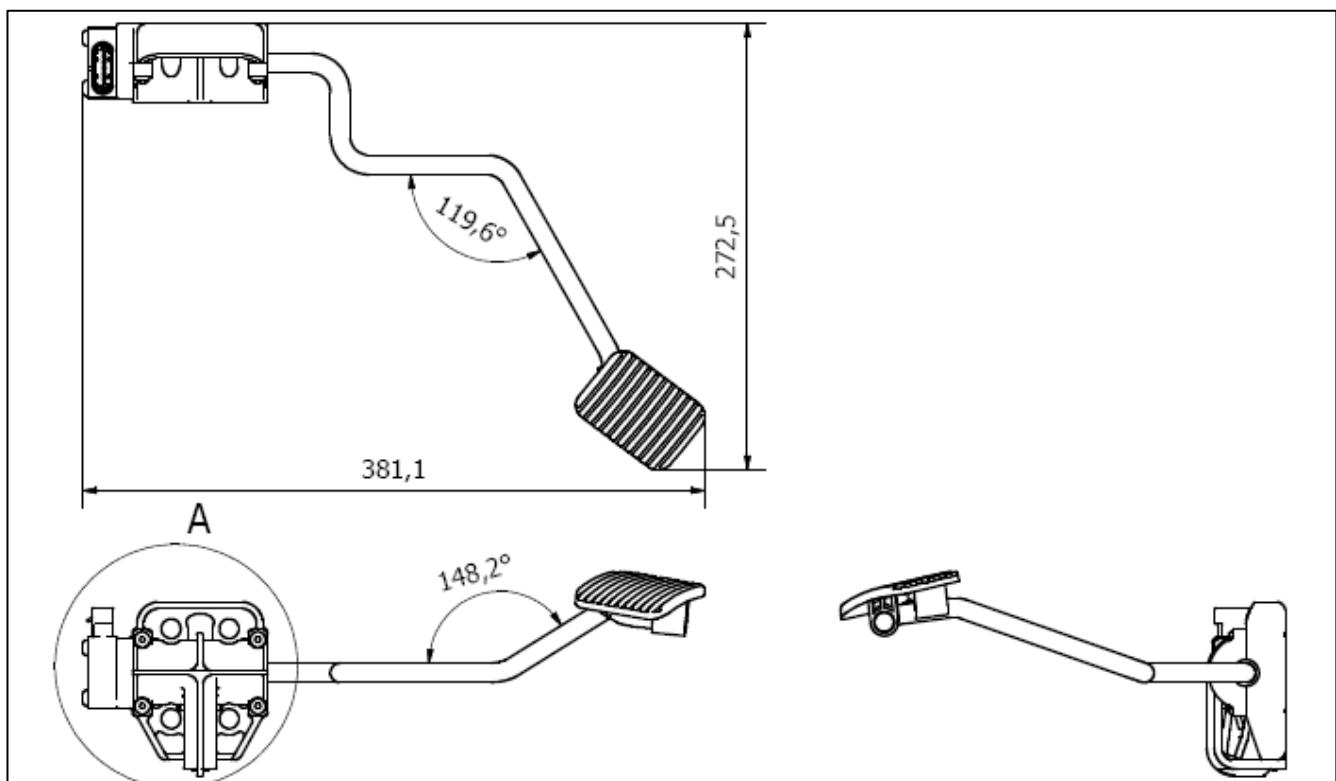
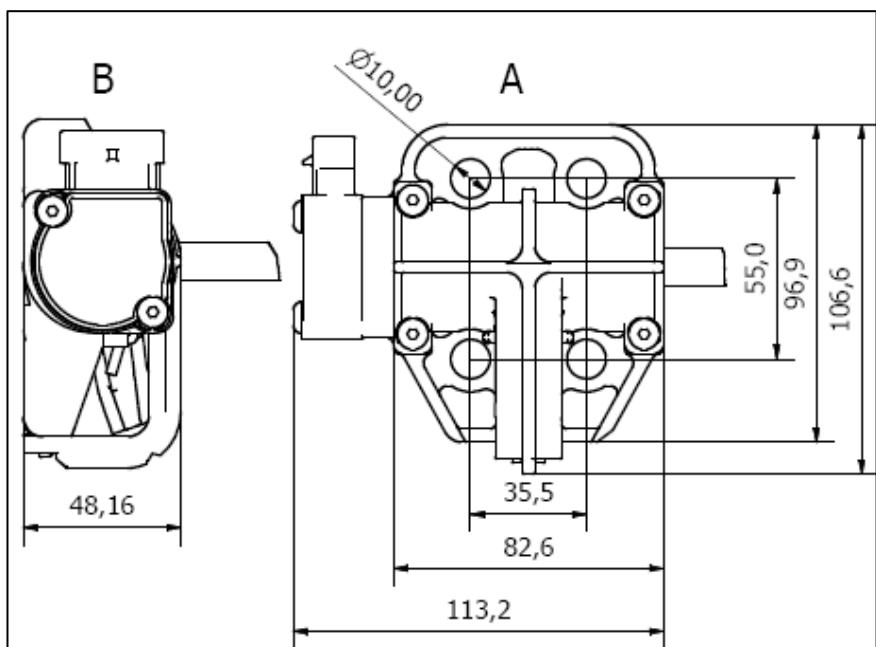
A generous and non-wearing plastic bearing suspend the lever. Solid stopper limit the setting range during rugged operation and prevented destroying the internal sensor. Defined dimensioned friction parts creates a constant adjusting force, over the whole setting range and therefore essentially contributes to safety and comfort.

A 6 way connector (Dephi Packard Metri Pack 150) is directly fitted to the sensor (IP67).



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- Tractor / Backhoe Loader proposal (AP1)
- Current Prototype Dimensions

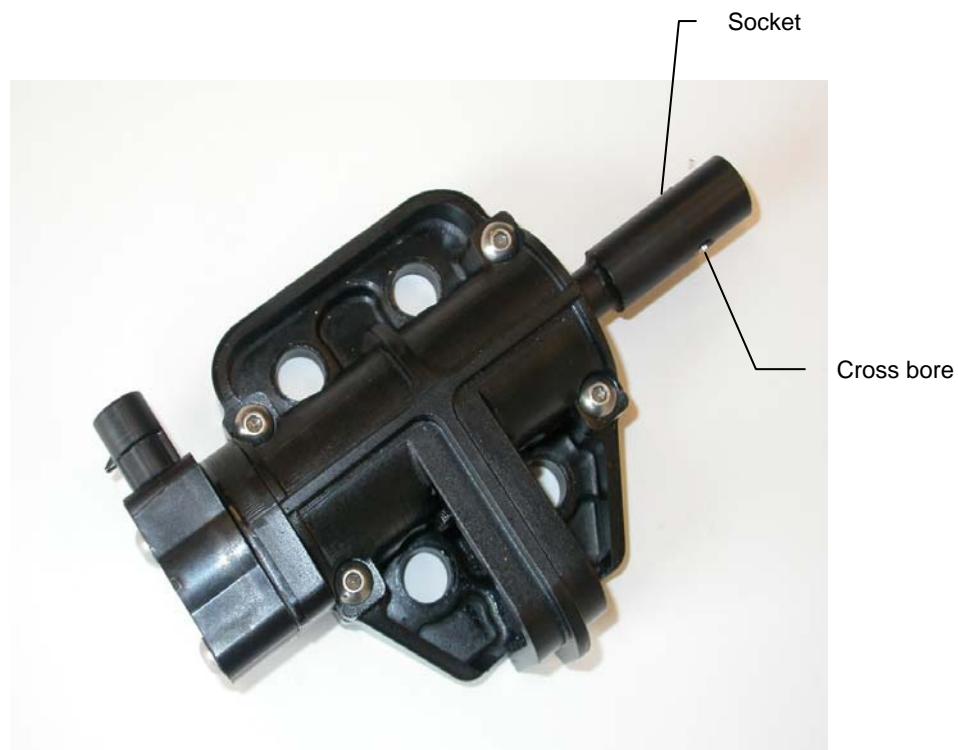


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**Tractor / Backhoe Loader proposal (AP1)**

On customer request a rough A-sample can be build for first application test with a functional sensor to the engine interface.

This sample is without the throttle lever and throttle plate. The unit has a socket with a cross bore to add an individual lever for testing.



- Specific design of throttle lever suitable to the cabin design
- Specific throttle step plate possible
- For nearly all engine interfaces
- Additional mechanical connection for hand throttle on request (no need of a second hand throttle sensor)

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