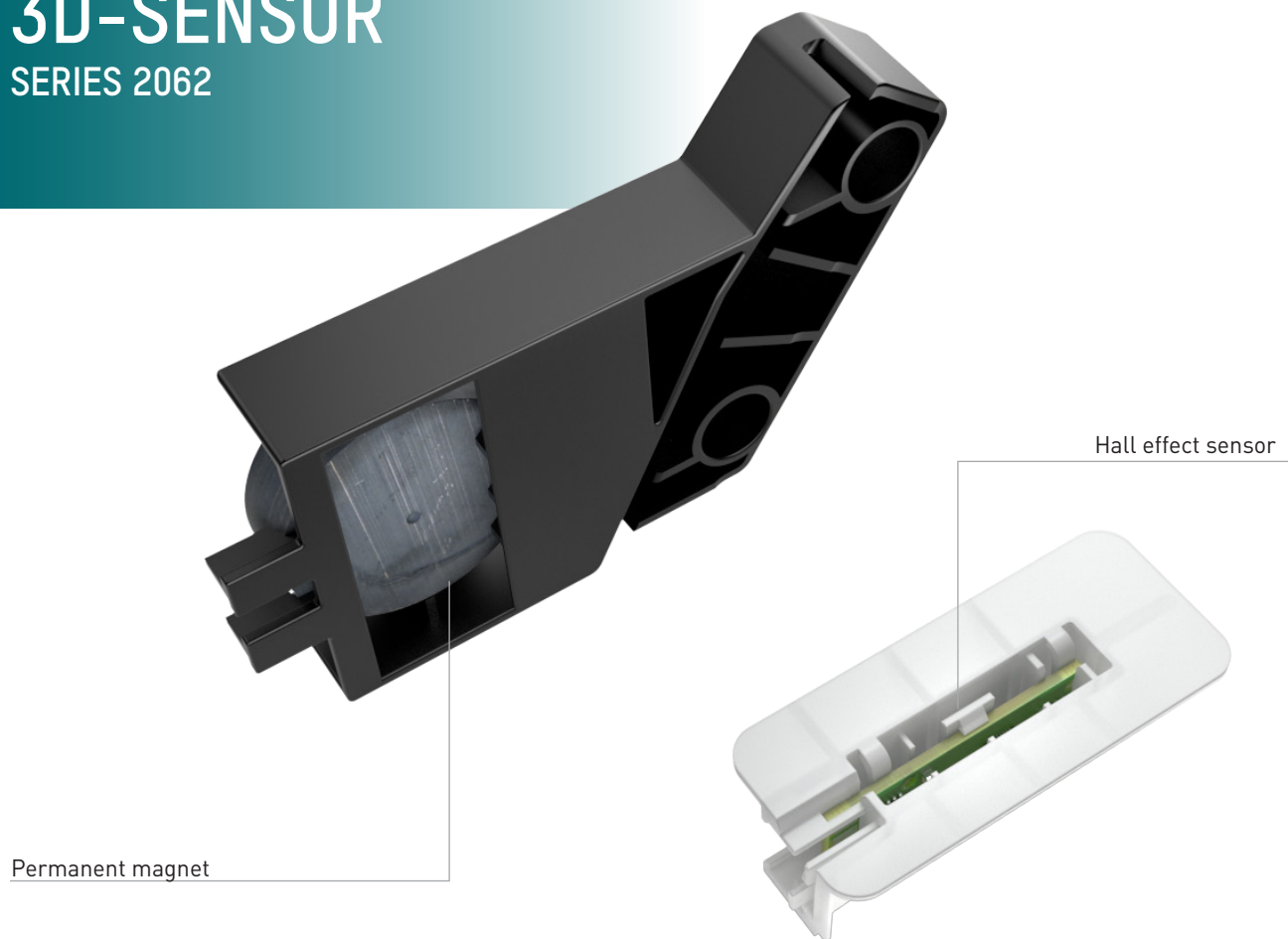


3D-SENSOR

SERIES 2062



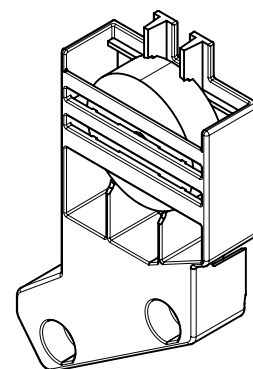
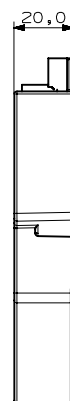
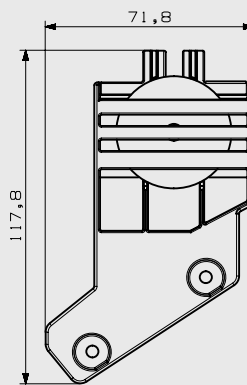
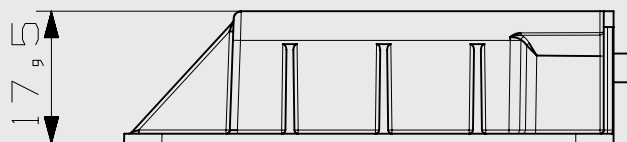
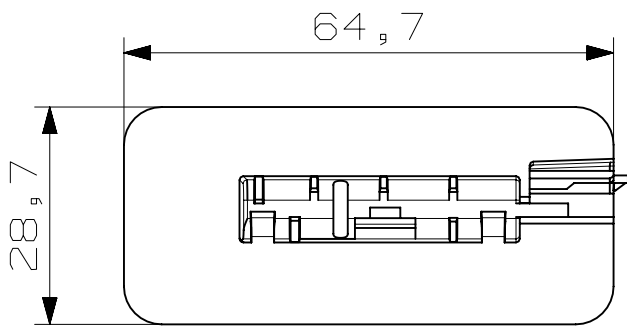
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For leading brands in the home appliances market who demand differentiated, high-end user experiences Marquardt's 3D-sensor up-levels washing cycles with faster and more accurate position detection and intelligent processes and algorithms. Dynamic measurement of the position of the tub compensates for deviations.

FEATURES



- Speed adjustment of imbalances every 2.5 ms and deviations of 30 μ m
- Detects position 6 times faster and 10 times more accurate than older sensors
- Recognizing the weight of the load to adjust the water volume accordingly
- Noise reduction during rotation



TECHNICAL INFORMATION

Resolution:	±0,03 mm (30 µm)
Measuring ranges (X/Y/Z):	±20 mm / ±15 mm / +30 to -25 mm
Electrical communication interface:	CAN
Baudrate:	250K
Measuring speed:	2.5 ms
Sensor chip:	ASIC family HallinOne® (Fraunhofer IIS)
Pixelcell:	2
Micro controller:	Arm™ Cortex-M4F/M0+ core, 32-bit CPU, 112 MHz
Power supply:	5 V (± 0.25 V)
Operating temperature range:	-20 °C up to +70 °C

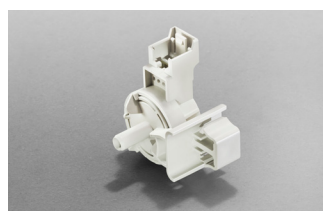
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