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# SmarTIGer Standard / SQ913

## Technical Data

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<b>Part N°</b>	GZKBH3SQSTA	
<b>Type Description</b>	automatic shade cartridge; manually adjustable 4/9-13 by a potentiometer	
<b>Cartridge dimensions</b>	110 x 110 x 8,0 mm / 4,33 x 4,33 x 0,31" 96 x 46,5 mm / 3,78 x 1,81" (Viewing area)	
<b>Power supply</b>	solar cells, no battery changes	
<b>Sensors</b>	two above the eyes	
<b>Light transmittance</b>	ultraviolet / infrared protection (at least 16 at any shade setting) visible range activated      shade level 9-13 visible range not activated    shade level 4	
<b>Switching time</b>	<i>light to dark</i> 0,00015 s (0,15 ms) at room temperature	<i>dark to light</i> 0,4 s
<b>Classification</b>	Optical class = 1 Scattered light = 1 Homogeneity = 1 Angular dependence = 3	
<b>Functions</b>	Possibility of adjustment (internal) - shade (9-13), sensitivity	
<b>Protection for ADF</b>	Poly-carbonate foils or CR-39 reflection free front cover lens and poly-carbonate inside cover lens	
<b>Mask material</b>	PA	
<b>Mask colour</b>	Black	
<b>Operating temperature</b>	-10°C to + 60°C / 14°F to 140°F	
<b>Storage temperature</b>	-20°C to + 65°C / -4°F to 149°F	
<b>Weight</b>	110 g / 3,88 oz (ADF only), 510 g / 17,99 oz (total weight)	
<b>Application ranges</b>	All types of electro-arc welding - covered electrodes, MIG/MAG, TIG/WIG, plasma welding and cutting except for laser and gas welding	
<b>Warranty</b>	Warranty term for Balder product`s is 3 years	
<b>Standards / certificates</b>	EN 379, 175 / CE, DIN, DIN geprüft	