



Technical data BENEFIT (-F)

Technology	LED display, with scrolling possibility
Color	amber / yellow
Angle of reflection	BENEFIT: horizontal 110° / vertical 55° BENEFIT(-F): horizontal 140° / vertical 70°
Resolution	high: 8 - 24 wide: 28 - 196 (other resolutions available on request)
Operating voltage	24 V-DC (16,8 - 32 V)
Power consumption	max. 0,3 A - 5,5 A (depending on resolution and brightness)
Operating/storage temperature	- 40 °C to +80 °C / - 40 °C to +100 °C
Service life	approx. 100 000 hours (depending on temperature and amperage)
Interfaces	- superordinate data bus: VDV300 (IBIS), Ethernet, RS232, (optional CAN) - subordinate data bus: LAWO-MONO, RS485/422
Software	TED [®] plus (MS-operating systems WIN95 - WIN XP, WIN Vista)
Loading of operating data	- manually with PC-Card (PCMCIA - SRAM or Flash) - automatically via Ethernet-Interface (WLAN, FTP service)* *optional
Standards and directives	VDV 300 (IBIS)
	Bus: EMC Directive 2006/28/EG
	Type approval number: e1*72/245*2006/28*5058*00
	Regulation ECE-R10 Approval number:
	E1 10 R - 025058
	Burning Behavior Directive 95/28/EG
	Train: EN 50155
	EMC EN 50121-3.2
	Fire DIN 5510

