

ADL 280 RFID Mobile Indicator / Data Logger

Applications

- Mobile indicator for strain gauge sensors with A.S.T.-RFID-transponder
- Data logger

Features

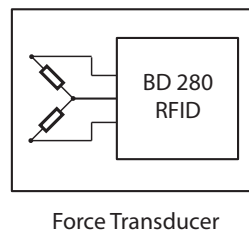
- Easy to use
- Sensor detection
- Display measured value, date, time
- Memory for 500 measurement values
- Software XKS 280

Options

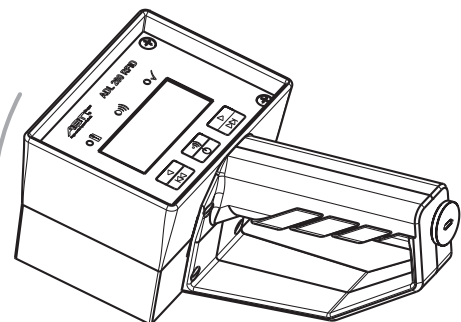
- Option 1: Power supply of the sensor via handset ADL 280 RFID
- Option 2: Power supply of the sensor via 24 VDC - external



Option 1

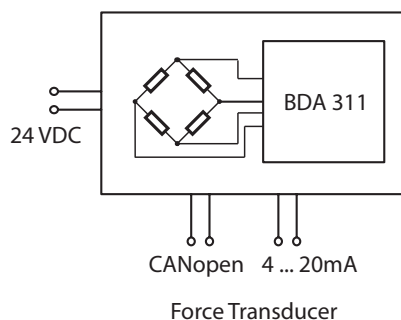


20 mm

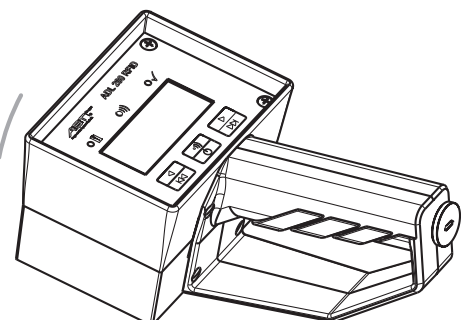


ADL 280 RFID V1

Option 2



20 m



ADL 280 RFID V2

Specifications

Data Logger ADL 280 RFID		Option 1 Power supply of the sensor via handset ADL 280 RFID	Option 2 Power supply of the sensor via 24 VDC - external
Memory values		500	500
Measurement period	s	10	10
Range	mm	20	20.000 - Free field
Display		LCD - Display 4-lines	
Figure heights	mm	5	
Display resolution	digits	4	
Power Supply			
Supply voltage	VDC	3.7 V - internal Lithium-Accumulator or powered by USB-port	
Battery operating time	h	ca. 3 (2500 values)	
Environmental Conditions			
Operating temperature range	°C	-20 ... +60	
Storage temperature range	°C	-20 ... +60	
Construction			
Housing		polyamid	
Dimensions (W x H x D)	mm	115 x 206 x 85	
Weight	g	500	
Environmental protection (EN 60529)		IP40	
USB interface		Micro USB 2.0 type B (socket)	

RFID-transponder BD 280 RFID		RFID-transponder BD 280 RFID	radio transponder BDA 311 with CANopen - and 4 ... 20mA-Interface
Connection technology		Strain gauge half bridge	Strain gauge bridge
Input signal range (=S)	mV/V	0.3 ... 5	0.3 ... 5
Bridge resistance of strain gauge bridge	Ω	> 100	> 100
RFID frequenz	MHz	0.125	868.3 / 915
Reproducibility of the measurements	% v. S.	1	1
Environmental conditions			
Operating temperature range	°C	-20 ... +60	
Storage temperature range	°C	-20 ... +70	
Vibration resistance when installed		DIN EN 60068-2-6	
Shock resistance when installed		DIN EN 60068-2-27/-29	
Construction			
Dimensions			
- Printed board	mm	29 x 29 x 5 (W x H x D)	Ø30 x 12 (Diameter x Hight)
- Antenna (Diameter x Hight)	mm	Ø25 x 3.5	

Order Example

Type Code	Description
ADL 280 RFID V1 KAM-RFID/100kN/0,1%	Data Logger, incl. USB-cable, plug-in charger, software XKS 280, manual, carrying case Example for KAM/100kN/0,1% for handset ADL 280 RFID V1
ADL 280 RFID V2 KAM-BDA311/100kN/0,1%	Data Logger, incl. USB-cable, plug-in charger, software XKS 280, manual, carrying case Example for KAM/100kN/0,1% for handset ADL 280 RFID V2