



FRD-67



FRD-100 LCD



FRD-57



Product Description

All instruments are wall mount display terminals to be used in combination with various weighing systems for local or remote display.

Therefore the instruments have a programmable communication interface which can be RS232 or RS485 or 20 mA TTY current loop (only one interface may be active at the same time, see specifications for details).

FRD-57 and FRD-67 have high visible 57 mm respective 67 mm large red LEDs. The Liquid Crystal Display terminals FRD-45 LCD and FRD-100 LCD provide 45 mm respective 102 mm high characters.

FRD-57, FRD-45 LCD and FRD-100 LCD are available in stainless steel housings. FRD-67 comes with a galvanized steel enclosure and powder coating.

Key Features

- Up to 6 digits with floating decimal point
- Serial interface RS485, RS232 or 20 mA current loop (selectable)
- Low power consumption
- IP65 protection (not for FRD-45 LCD)
- Backlight (for LCD displays only)

Options

- IP65 protection (for FRD-45 LCD only)

Specifications				
	FRD-67	FRD-57	FRD-45 LCD	FRD-100 LCD
DISPLAY				
Technology	LED red		Transflective positive TN LCD	
Display height	67 mm	57 mm	45 mm	102 mm
Display	6 digits, 7 segments			5 digits, 7 segments
Designator	Permanent label sticker			
Backlight	-	-	Yes, amber LEDs	
Other	Automatic intensity control	-	-	-
COMMUNICATION				
Standard interface	RS-232, RS-422/485; field selectable	RS-232, RS-485 and 20 mA TTY current loop; field selectable		
	300...115 200 baud	1 200...19 200 baud	1 200...19 200 baud	300...38 400 baud
POWER				
Power requirements	100...230 V AC, 50...60 Hz, max. 25 W or 12 V DC, max. 20 W	230 V AC \pm 20%, 50...60 Hz, max. 7 W	24 V DC, max. 100 mA	
ENVIRONMENT AND ENCLOSURE				
Operating temperature	-20°C bis +60°C	-20°C bis +50°C	-10°C bis +60°C	-35°C bis +65°C
Storing temperature		-10°C bis +70°C		-40°C bis +80°C
Humidity	90% RH max., non condensing			
Enclosure	Galvanized steel housing with powder coating	Stainless steel housing		
Protection	IP65	IP65	IP40 (option for IP65)	IP65
Dimensions	365 x 130 x 82 mm	445 x 202 x 72 mm	244 x 109 x 22 mm	540 x 169 x 37 mm
Size with mounting brackets	-	-	256 x 118 x 22 mm	550 x 180 x 58 mm
Weight	4.5 kg	3 kg	0.8 kg (IP65: 1.2 kg)	4.5 kg
ACCESSOIRES				
Mounting brackets	not needed		included in standard delivery	