

RADAR LEVEL METER AND DISPLAY UNIT OPTIONS



MGU GRAPHICAL DISPLAY



PDU PROGRAMMABLE
DISPLAY



GRLM RADAR LEVEL METER

KERRIDGE CONCRETE
CALGARY, ALBERTA



MGU-800 GRAPHICAL DISPLAY UNIT



GRLM-70N RADAR LEVEL METER

desna

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TECHNICAL SPECIFICATIONS— LEVEL METER

Supply voltage	GRLM-70N-__ GRLM-70Xi-__ GRLM-70Xd-__	18 ... 36 V DC 18 ... 30 V DC 18 ... 36 V DC
Output		4 ... 20 mA, HART®
Current consumption		4 ... 20 mA / max. 22 mA
Basic error ¹⁾ (for reference reflector) - GRLM-70_-20 in area 0,1 – 0,2 m / 0,2 – 2,0 m / 2,0 – 40 m- other types in area 0,1 – 0,2 m / 0,2 – 2,0 m / 2,0 – 40 m		± 5 mm / ± 3 mm / ± 2 mm ± 10 mm / ± 4 mm / ± 2 mm
Resolution		1 mm
Maximal length of measuring electrode	GRLM-70_-10 GRLM-70_-11 (12) GRLM-70_-20 GRLM-70_-30 (33, 34, 35) GRLM-70_-32	8 m 2 m 3 m 40 m 12 m
Dead zone ²⁾ - for measuring sensitivity - low, medium, user (1 - 4) - high, user (5) - user (6, 7) - user (8)		100 / 0 mm ³⁾ 150 / 50 mm ³⁾ 200 / 50 mm ³⁾ 250 / 50 mm ³⁾
Electrical parameters for variants Xi (XiT) – max. internal values		U _i =30 V DC; I _i =132 mA; P _i =0,99W; C _i =370 nF; L _i =0,9 mH
Measurement sensitivity (8 degrees)		low (1) - medium (3) - high (5) - user (1 - 8)
Failure indication (echo loss, internal failure)		Adjustable in modes: 3,75 mA, 4 mA, 20 mA, 22 mA, LAST ⁴⁾
Damping		1 .. 99 s
Warm up time		cca 60 s
Internal resistance / Electric strength (Electrode - Housing)		10 kΩ
Coupling capacity / Electric strength (Housing - Supply leads)		5 nF / 500 V AC
Maximal current output load resistance for	U = 24 V DC U = 22 V DC U = 20 V DC	R _{max} = 270 Ω ⁵⁾ R _{max} = 180 Ω R _{max} = 90 Ω
Maximum tensile strength of the rope electrode		1400 kg
Protection class		IP67
Process connection		screwing with thread G1"
Recommended cable		PVC 2 x 0,75 mm ²
Weight (without electrode)		cca 0,5 kg (1 kg variant NT, XiT)

1) Error is larger at the beginning and end of the rod or rope electrode. More detailed informations can be found in the instruction manual.

2) Dead zone = Blind zone = Blocking distance

3) The length of dead zone at the beginning/at the end of the electrode. (The length of dead zone is 110 mm at the end of rope electrode.)

4) Level meter displays last measured value.

5) Including 250R resistor in case of HART connection.

For more information call:



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